shipping MANAGEMENT

JULY 30, 1959

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WRITTEN FOR THE SHIPPER AND INDUSTRIAL TRAFFIC MANAGER

1959 20th MANUAL & DIRECTORY EDITION

25 tips for better shipping . . . P. 4

Shippers' guide to motor freight carriers . . . . P. 8

Shippers' guide to air cargo carriers . . P. 13

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shipping MANAGEMENT

NATIONAL HI-WAY SHIPPER

1959 Manual & Directory Issue

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SHIPPING MANAGEMENT—
NATIONAL HI-WAY SHIPPER

MANUAL & DIRECTORY ISSUE

1959 Edition

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25 TIPS FOR BETTER SHIPPING

Problem: easing loading and unloading and eliminating truck tie-ups.

Company: 7-Up Bottling Company, Los Angeles, California.

Solution: three turntables mounted in 7-Up's shipping area floor. Each incoming truck drives right onto a turntable. Once it is in place, a fork truck takes up a position on the side of the vehicle facing out and begins replacing palletized cases of "empties" with newly bottled 7-Up. Loading completed, the fork truck operator trains a spotlight on a highly-sensitive electric eye. Turntable and truck swing around and the other side of the vehicle is ready to be stripped of its "empties" and loaded. Result? 7-Up is currently loading up to 35,000 cases of soda aboard some 60 trucks daily.

2

Problem: expediting the addressing of shipments.

Company: Gillette Safety Razor Company, Boston, Massachusetts.

Solution: an improved stencil addressing procedure. Here's how the Gillette system works. When an order is ready to be processed, a label-sized stencil is pre-tabbed over the addressee section on Gillette's customer invoice form. The invoice and stencil are then fed through a tabulating machine. Result? The stencil is cut and the invoice addressed in a single operation. Following this, the invoice and stencil are forwarded to the shipping department. There the stencil is attached to a hand-printer and the outbound consignment is addressed—swiftly, smoothly and accurately.

3

Problem: reducing receiving paperwork.

Company: B. C. Electric Railway Company, Victoria, Canada.

Solution: using the shipper's delivery form or packaging copy as a "goods received report." Prior to the adoption of its new procedure, B. C. filled out a special receiving form covering every inbound shipment. Not anymore, though. Now, as materials are received at B. C., the delivery slips attached to them are rubber-stamped with the appropriate purchase order number; date of receipt; account number; and the name of the receiving clerk in charge. Inbound items are also checked to see to it that the quantities and descriptions of the goods listed on delivery slips match up with the actual contents of incoming containers. The processed delivery slips are then dispatched to "Accounts Payable," where they are attached to the proper invoice. Result? A significant reduction in the paperwork involved in transcribing data from delivery slip to receiving report; a sharp decline in clerical errors; and a smoother, faster receiving operation.

4

Problem: raising the weight of minimum shipments.

Company: McKinney Manufacturing Company, Pittsburgh, Pennsylvania.

Solution: utilizing freight allowances as sales incentives. These allowances are based on minimum consignments of 200 pounds. Under the McKinney plan, every time an underweight order is received, a cartoon—reminding the customer that he could have saved money by ordering in larger quantities—is attached to the consignee's invoice.

"We're unhappy because this order was not heavy enough to earn for you customary freight allowances," reads the caption beneath the cartoon. "Remember! Freight allowances are based on minimum shipments of 200 pounds. Won't you please take this into consideration when you place your next order?" McKinney officials report that, since the debut of the reminder, a significant increase in weight on many orders has occurred.

Smaller orders have declined. And so have handling costs at the Pittsburgh firm, since it takes just about as long to pick, pack and ship a larger order as it does an underweight one.

5

Problem: keeping packaging personnel abreast of the latest trends and techniques in the field.

Place: U. S. Naval Supply Center, Oakland, California.

Solution: carefully planned, fact packed refresher courses, geared to help supervisors review vital packaging areas and apply what they've learned to their various shipping assignments. Key refresher course features: lectures and demonstrations covering engineered time standards, marking, methods, supervisory responsibility, use of graphs and charts, plant layout and preservation quality control.

6

Problem: expediting tracing paperwork.

Company: Kay's-Newport, Incorporated, Providence, Rhode Island.

Solution: Kay's uses a short cut in tracing lost merchandise. Instead of writing to suppliers regarding the non-receipt of inbound goods, the garment company has developed a standardized tracer request form. Result? Less paperwork for the traffic department and a faster response from the manufacturer involved.

Problem: expediting routing.

Company: Pitney-Bowes, Baltimore, Maryland.

Solution: a time-saving traffic short cut. Prior to the development of its new system, each time an order was received P-B's traffic department had to outline the method of transport and the route to be followed in the delivery of the consignment. Today, however, all traffic does is to check its customer files to determine the approved manner in which similar orders were shipped in the past. This information is found on the corner of a card or ledger sheet covering each customer. A typical entry reads: "Over 60 pounds, by Y Motor Freight Line or X Transfer, depending on type and weight. Under 60 pounds, parcel post, Zone 4, maximum weight per package 20 pounds." As an order is received and processed, the best shipping method is noted and filed for use when the purchased material is ready for delivery. Effect of the procedure: less work for traffic personnel and complete assurance that the best shipping method and route—tested and found effective in the past—is being employed in the movement of products leaving the Baltimore facility.

7

Problem: safeguarding delicate typewriters from in transit damage.

Company: Royal McBee Corporation, Hartford (Conn.) plant.

Solution: a lightweight, form-fitting polystyrene pack. The packing tips the scales at 3½ pounds and serves as a complete shipping container for the 47 pound typewriter. Prior to the development of the improved unit, Royal McBee shipped its machines in heavy, reinforced containers—weighing almost nine pounds.

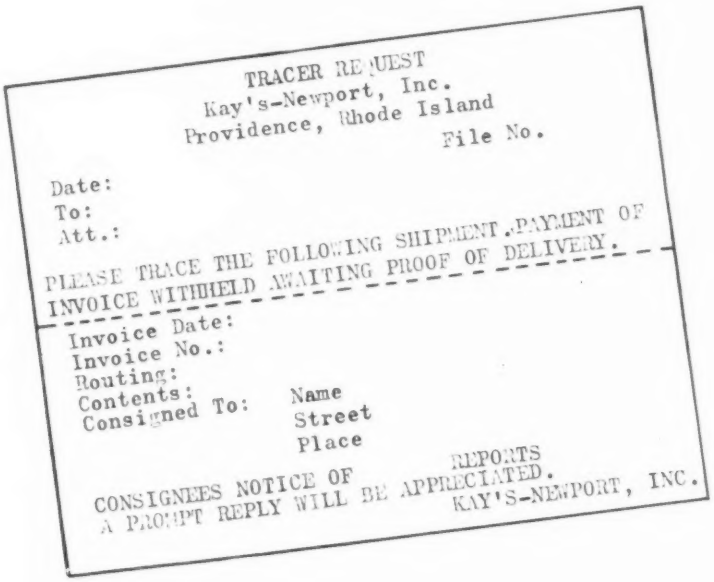
According to company officials, the main advantage of the new packaging is that it affords added protection to in transit typewriters. The compact case is molded "cocoon style" inside to fit every contour of the typewriter so perfectly that the machine is held securely in place during even the roughest trip.

8

Problem: reducing distribution costs by eliminating company warehouses.

Company: The Burroughs Corporation, Detroit, Michigan.

Solution: Shipping via air cargo. Prior to its adoption of sky freight to transport its business machines and electronic devices, Burroughs relied heavily for effective distribution on a far-flung, regional warehousing system. A detailed analysis covering the costs involved in shipping through these storage centers, as opposed to shipping directly to the company's branch sales offices, changed all that. Reason? It revealed that the overall expense involved in using warehouses was 48.3% higher than shipping directly to the offices. Uncovered by the survey were two causes for the difference: (1) shipping to warehouses and reshipping to branch offices required four terminal handlings, as compared with the two needed in moving consignments directly to sales centers, and, (2) many branch offices maintained by the company were not in a direct line with Burrough's HQ in Detroit, forcing frequent and costly backhauling of freight from warehouses to branches. Deciding to give



TRACER REQUEST
Kay's-Newport, Inc.
Providence, Rhode Island
File No.

Date:
To:
Att.:

PLEASE TRACE THE FOLLOWING SHIPMENT. PAYMENT OF INVOICE WITHHELD AWAITING PROOF OF DELIVERY.

Invoice Date:
Invoice No.:
Routing:
Contents:
Consigned To: Name
Street
Place

CONSIGNEES NOTICE OF REPORTS
A PROMPT REPLY WILL BE APPRECIATED.
KAY'S-NEWPORT, INC.

air cargo a try, instead of extensive warehousing, Burroughs dropped a storage center in Philadelphia. So successful was the experiment that, late in '56, the firm went all the way—padlocking warehouses everywhere. Today, less than 1% of all Burroughs' outbound tonnage moves through warehouses, as compared with more than 50% in '56—a factor which has cut distribution costs drastically and made overnight Detroit-to-branches delivery the order of the day at the Burroughs Corporation.

9

Problem: preventing cargo from shifting in an over-the-highway trailer.

Company: The Shopping Bag Food Stores Company.

Solution: a highly effective method of "clinching down" in transit freight. Bakery goods and other products move from the firm's warehouse to its stores in unitized containers, specifically built to permit maximum use of available storage space. Since the containers are mounted on casters, they must be secured firmly, while on the road, to prevent shipping damage. This is where Shopping Bag's "cinching" system comes in. A slotted track, installed about four feet from the floor along the side of the trailer, plus a track-lock fitting connecting with the small notches in the track, are the keystones of the system. Straps or rope freight tie-downs may make a circle around the cargo and fit into the track on the same side of the trailer; tie down directly across the trailer, with a fitting at each end; or go over the merchandise and attach to a fitting on the floor.

10

Problem: strengthening corrugated containers for export shipment.

Company: Land O' Lakes Creameries, Minneapolis, Minnesota.

Solution: pressure sensitive tape and high-speed automatic reinforcing machinery. Under its new procedure, Land O' Lakes reinforces up to 12 cartons per minute, while using only half as much tape as it required under its former system. Other effects: taping man-hours have been slashed and the firm is shipping outbound consignments about twice as fast as it did previously.

11

Problem: safeguarding wrap-around auto windshields from shipping damage.

Company: Pittsburgh Plate Glass Company, Pittsburgh, Pennsylvania.

Solution: a jumbo-sized wirebound box, consisting of a four-way entry base, 3/4 mat (end-back-end), two separate front sections and an intermediate shelf and top. The container can handle 60 wrap-arounds in two layers of 30 each with the greatest of ease. Dimensions: 43" x 58½" x 67½". Gross shipping weight: 2425 pounds.

12

Problem: speeding up warehouse deliveries.

Company: Reynolds Metals Company, Sheffield, Alabama.

Solution: a "dream" warehouse. Special features: a fully equipped, 23,000-square-foot box shop, where wooden boxes may be tailor-made to outbound consignments; an up-to-the-minute outside truck dock and five depressed docks inside the facility; 150,000-square-feet of working space; and an overhead traveling crane system.

13

Problem: reducing pilferage, keeping closer tabs on shipping and receiving, breaking bottlenecks.

Company: Filene's, Boston, Massachusetts.

Solution: closed-circuit television. TV cameras, controlled from a central station, overlook strategic storage, shipping and receiving areas in Filene's Needham, Massachusetts, warehouse—and don't miss a trick!

14

Problem: boosting available storage space.

Company: Tidewater Oil Company.

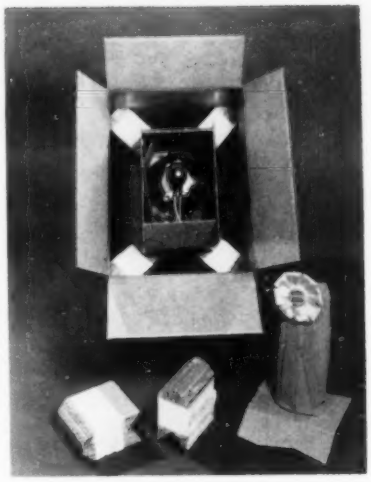
Solution: boltless racks and shelves. Shelf layouts at Tidewater, instead of being frozen in outmoded arrangements, are always up-to-the-minute and arranged for the most effective allotment of space.

15

Problem: expediting packaging and handling, slashing shipping damage to fragile electronic components.

Company: Bomac Laboratories, Beverly, Massachusetts.

Solution: a corrugated container, serving both as an in-plant tote box and a shipping carton. The inner portion of the container is used to shift Bomac's magnetron tubes from point to point during production. When ready to be shipped, it is inserted in an outer container and "floated" on four corner pieces composed of combined corrugated pads and polyurethane. Impact of the new package? An enormous reduction in handling and shipping costs and the virtual elimination of damage.



16

Problem: maintaining a steady and even in transit temperature for delicate components.

Company: The Williamson Company, Madison, Indiana.

Solution: combining urethane foam with safe, dependable electric heaters. Williamson produces extremely fragile missile parts. To protect these parts, it ships them in metal containers, equipped with electric heaters drawing their power from a truck generator. Foam, lining the walls of the container, provides a highly effective heat barrier. Thus, thermal loss is held to a minimum.

17

Problem: packaging hard-to-pack swimming pool diving boards.

Company: The Paddock Pool Equipment Company, Los Angeles, California.

Solution: a tailor-made corrugated container. Under Paddock's former packaging procedure, its heavy, highly polished diving boards frequently sustained cracks and broken edges while in transit. This soaring damage rate led the company to analyze its

packaging setup and to come up with a new type of packaging offering maximum protection at minimum cost. Result? The adoption of a special corrugated carton, endowed with resilient sides which spread the impact of damaging jolts and jars over a wide area, thus safeguarding the finish of the board. Basically, Paddock's pack consists of corrugated inner packaging, folded around the diving board, and two end sections which slip over the inner packaging. Meeting in the middle, the two outer sections are taped together for shipment. The ends of the container stretch for about two inches beyond the ends of the board. Corrugated pads, stuffed in at these ends, hold the board snugly and eliminate damage caused when the board is placed in a vertical position. Other advantages of the new corrugated container include a 75% drop in Paddock's diving board packaging costs; slashed tare weight; and a reduction in packaging man-hours.

18

Problem: boosting shipping efficiency, slicing costs.

Company: Warren Webster & Company.

Solution: the installation of two high-speed conveyor lines. Shipping personnel are assigned to order-picking stations at points along these lines. As each picker assembles his part of a consignment, he places it on a conveyor line. The merchandise proceeds to the end of the powered conveyor, moves onto a roll free gravity section and stops at the order-checking desk. Here, items are checked against a tally sheet, stamped and labeled. The merchandise next moves via gravity onto a booster conveyor and eventually emerges on the loading dock. Even here, the accent is on mechanization. The outbound products again move onto a gravity conveyor line which drops them off right inside the trucks that will haul them away. Achievements of the new system? Shipping overtime man-hours have been eliminated, faster order assembly has been attained and Warren Webster has registered a hefty 65% decline in its overall shipping expenditures.

19

Problem: shielding shipping personnel from winter cold.

Company: Central States Paper and Bag Company, St. Louis, Missouri.

Solution: an ingenious home-made "draft shield" permitting employees to work close to open doors in complete comfort, even in the middle of the winter. Central makes its shields out of heavy gauge polyethylene film, with reinforced tops and grommets inserted for hanging as a transparent wall or sliding as a movable partition. The clear film transmits light and does not detract from working space near shipping and receiving docks. When not in use, the shields may be folded and stored in a matter of minutes.

20

Problem: easing the unloading of bulky products.

Company: Waldorf Paper Products, Missoula, Montana.

Solution: Waldorf employs a fleet of giant 40-foot "stand 'em on end" open steel vans. The vehicles feature a unique tapered drop design, facilitating loading and unloading. When dumping their loads, the trailers—resting on pivot bars located below their rear doors—are elevated at a 25-degree angle with block and cables, facilitating unloading operations and slashing handling costs significantly.

21

Problem: stabilizing palletized cartons containing heavy electrical devices.

Company: General Electric Company.

Solution: utilizing reinforced strapping tape as a binding agent. A single binding of tape around the containers effectively stabilizes the entire pallet load, even when it is being moved from point-to-point by lift truck.

22

Problem: cutting hidden damage, expediting product checks.

Company: Rototiller, Incorporated, Troy, New York.

Solution: open wirebound boxes, permitting a thorough check of outbound Rototiller devices without costly, time-consuming unpacking.

23

Problem: shipping to an overseas point safely, smoothly and speedily.

Company: AMF Pinspotters, Incorporated.

Solution: integrated land-sea service. AMF recently shipped equipment for 24 bowling alleys from the mid-west to Puerto Rico. Consisting of lumber, racks, pinspotters and other essential items, the merchandise was shipped in containers—via motor carrier—from Chicago to Newark. There it was loaded aboard an outbound containership. Result? The door-to-door container service completely eliminated the need for conventional "break bulk" handling and export packaging. Savings registered by AMF in utilizing sea-land service: a solid $8,000.

24

Problem: expediting shipping, handling and warehousing in a huge facility.

Company: Timken Roller Bearing Company, Canton, Ohio.

Solution: Timken uses two-way industrial radio to keep its operations moving along smoothly. Achievements of the system? A 50% rise in the utilization of handling equipment, slashed distribution costs.

25

Problem: inadequate storage space.

Company: The Hardware Products Company, Sterling, Illinois.

Solution: an unusual shelving system, utilizing wooden boxes with interior grooves and shelves. Distributing a variety of electronic parts, Hardware Products stocks over 17,000 different items. Under its discarded warehousing arrangement, the concern kept these parts on rigid, inflexible shelves. The system was a fairly efficient one, to be sure. But it had two extremely important defects. First, it lacked flexibility. And second, storing electronic components in this fashion simply took up far too much room. Looking around for a solution to its dilemma, HPC eventually uncovered its present system, which relies extensively on 29" x 18" x 15" wooden boxes. Strong enough to be stacked to any height, the boxes are grooved and equipped with wooden shelves which may be arranged to accommodate any product handled by the firm. Advantages of the new procedure: a 50% rise in storage space and a new flexibility making it a simple matter to adjust shelves to meet varying inventory needs. An added bonus: a sharp reduction in Hardware Products Company's warehousing and handling expenditures.

A shippers' guide to

MOTOR FREIGHT CARRIERS

A&H Truck Line. HQ: Evansville, Indiana. Terminals: Evansville, Chicago, Cincinnati, Louisville, Memphis, St. Louis.

A.C.E. Transportation Company. HQ: Akron, Ohio. Terminals: Akron, Canton, Cleveland, Providence, Worcester.

Accelerated Transport - Pony Express, Incorporated. HQ: Hagerstown, Maryland. Terminals: Baltimore, Charleston (W. Va.), New York, Philadelphia.

Adley Express Company. HQ: New Haven, Connecticut: Terminals: New Haven, Baltimore, Boston, New York, Newark, Norfolk, Philadelphia, Wilmington.

Akers Motor Lines. HQ: Gastonia, North Carolina. Terminals: Gastonia, Atlanta, Augusta, Boston, Columbia, New York, Philadelphia.

Akron-Chicago Transportation Company. HQ: Akron, Ohio. Terms: Akron, Buffalo, Chicago, Cincinnati, Cleveland, Erie, Fort Wayne, Rochester, Syracuse.

Alger, George F. HQ: Detroit, Michigan. Terminals: Detroit, Chicago, Cincinnati, Cleveland, Gary, Toledo.

All States Freight, Incorporated. HQ: Akron, Ohio. Terminals: Akron, Baltimore, Buffalo, Chicago, Cincinnati, Providence.

Apex Express, Incorporated. HQ: Perth Amboy, New Jersey. Terminals: Perth Amboy and Baltimore.

Arkansas-Best Freight System. HQ: Ft. Smith, Arkansas. Terminals: Ft. Smith, Akron, Chicago, Cleveland, Dallas, Houston, Little Rock, Memphis, Shreveport.

Arrow Carriers Corporation. HQ: Carlstadt, New Jersey. Terminals: New York, Newark, Philadelphia, Scranton.

Associated Transport, Incorporated. HQ: New York City. Terminals: Atlanta, Baltimore, Boston, Buffalo, Charleston (S. C.), Charlotte, Cleveland, Hartford, Memphis, Philadelphia, Toronto.

Associated Truck Lines. HQ: Grand Rapids, Michigan. Terminals: Grand Rapids, Ann Arbor, Battle Creek, Benton Harbor, Cadillac, Detroit, Chicago, Flint, Holland, Ionia, Jackson, Kalamazoo, Lansing, Pontiac, Toledo.

Atlanta-New Orleans Motor Freight. HQ: Atlanta, Georgia. Terminals: Atlanta, Gulfport, Mobile, Montgomery, New Orleans, Pensacola.

Atlantic Freight Lines. HQ: Uniontown, Pennsylvania. Terminals: Baltimore, Cincinnati, Cleveland, Philadelphia, Trenton, Wheeling.

B&M Express, Incorporated. HQ: Birmingham, Alabama. Terminals: Birmingham, Atlanta, Memphis, Anniston.

Baltimore Transfer Company. HQ: Baltimore, Maryland. Terminals: Baltimore, Jersey City, Philadelphia, Richmond, Washington.

Bell Lines, Incorporated. HQ: Charleston, West Virginia. Terminals: Charleston, Charleston (S. C.), Charlotte, Cleveland, Dayton, Pittsburgh, Winston-Salem.

Be-Mac Transport Company. HQ: St. Louis, Missouri. Terminals: Chicago, Oklahoma City, St. Louis, Tulsa.

Bender & Loudon Motor Freight. HQ: Richfield, Ohio. Terminals: Detroit, Flint, Lansing, Mansfield (Ohio), Jackson (Mich.), Battle Creek.

Best Way Of Indiana, Incorporated. HQ: Terre Haute, Indiana. Terminals: Bloomington, Evansville, Indianapolis, Louisville, Chicago.

Blair Transit Company. HQ: Saginaw, Michigan. Terminals: Akron, Cleveland, Detroit, Jackson, Lansing, Toledo, Youngstown.

Bonifield Brothers Truck Lines, Incorporated. HQ: Metropolis, Illinois. Terminals: Chicago, Evansville, St. Louis, Paducah (Ky.), Metropolis.

Brady Motorfrate, Incorporated. HQ: Des Moines, Iowa. Terminals: Chicago, Cincinnati, Dayton, Des Moines, Ft. Dodge, Indianapolis, Kansas City (Mo.), Omaha, Rock Island, St. Louis, St. Paul.

Branch Motor Express Company. HQ: Brooklyn, New York. Terminals: Baltimore, Newark, Trenton, York (Pa.), Brooklyn.

Briggs Transportation Company. HQ: St. Paul, Minnesota. Terminals: Chicago, Duluth, Eau Claire (Wis.), La Crosse (Wis.), Minneapolis, St. Paul.

Brooks Transportation Company, Incorporated. HQ: Richmond, Virginia. Terminals: Baltimore, Charlottesville (Va.), Greensboro, Jersey City, New York, Philadelphia, Richmond, Washington.

Bruce Motor Freight, Incorporated. HQ: Des Moines, Iowa. Terminals: Chicago, Kansas City (Mo.), Minneapolis, St. Louis, St. Paul.

Buch Express, Incorporated. HQ: Harrisburg, Pennsylvania. Terminals: Baltimore, Camden, Hagerstown, Harrisburg, Hoboken, New York, Newark, Philadelphia.

Burlington Truck Lines, Incorporated. HQ: Galesburg, Illinois. Terminals: Billings, Burlington (Ia.), Casper, Cheyenne, Chicago, Denver, Des Moines, Grand Island (Neb.), Hannibal (Mo.), Lincoln, Moline, Omaha, Peoria.

Campbell Sixty Six Express, Incorporated. HQ: Springfield, Missouri. Terminals: Birmingham, Blytheville (Ark.), Carthage, Chicago, Columbus (Miss.), Fayetteville, Greenville, Jackson, Kansas City (Mo.), Memphis, Mobile, New Orleans.

Central Motor Lines, Incorporated. HQ: Charlotte, North Carolina. Terminals: Augusta, Baltimore, Charleston (S. C.), Charlotte, Chicago, Cleveland, Durham, New York, Philadelphia, Raleigh.

Central Truck Lines, Incorporated. HQ: Tampa, Florida. Terminals: Atlanta, Dade City (Fla.), Daytona Beach, Jacksonville, Mobile, New Orleans, New York, Miami.

Chicago Express, Incorporated. HQ: New York City. Terminals: Baltimore, Boston, Chicago, Cleveland, Cincinnati, Elkhart, Ft. Wayne, Hoboken, Kansas

City (Mo.), New York, Philadelphia, Providence, St. Louis, St. Paul, Toledo.

Chief Freight Lines Company. HQ: Kansas City, Missouri. Terminals: Dallas, Ft. Worth, Kansas City (Mo.), Oklahoma City, Tulsa.

Clairmont Transfer Company. HQ: Escanaba, Michigan. Terminals: Chicago, Green Bay, Iron Mountain, Milwaukee, Racine, Sault Ste. Marie.

Clemans Truck Line, Incorporated. HQ: South Bend, Indiana. Terminals: Battle Creek, Elkhart, Grand Rapids, Indianapolis, Louisville.

Commercial Motor Freight, Incorporated. HQ: Columbus, Ohio. Terminals: Akron, Cincinnati, Cleveland, Dayton, Ft. Wayne, Lima, Wheeling, Youngstown.

Commercial Motor Freight Incorporated of Indiana. HQ: Indianapolis, Indiana. Wayne, Indianapolis, Louisville, South Bend, Terre Haute.

Consolidated Forwarding Company, Incorporated. HQ: St. Louis, Missouri. Terminals: Chicago, Cincinnati, Dallas, Indianapolis, Kansas City (Mo.), Milwaukee, Oklahoma City, Tulsa.

Consolidated Freight Company. HQ: Saginaw, Michigan. Terminals: Akron, Battle Creek, Benton Harbor, Chicago, Detroit, Gary, Lansing, Toledo.

Consolidated Freightways, Incorporated. HQ: Menlo Park, California. Terminals: Bellingham (Wash.), Billings, Bismarck, Boise, Butte, Chicago, Cincinnati, Dayton, Fargo, Great Falls, Green Bay, Los Angeles, Louisville, Milwaukee, Minneapolis, Oakland, Phoenix, Reno, Salt Lake City, Seattle, Vancouver.

Continental Transportation Lines, Incorporated. HQ: McKees Rocks, Pennsylvania. Terminals: Baltimore, Canton, Cincinnati, Cleveland, New York, Newark, Philadelphia, Trenton.

Cooper Jarrett Motor Freight, Incorporated. HQ: Chicago, Illinois. Terminals: Chicago, Cleveland, Jersey City, Kansas City (Mo.), New York, Philadelphia, Trenton, Wallingford, Connecticut.

Cowan, W. T. HQ: Baltimore, Maryland. Terminals: Baltimore, Jersey City, New York, Philadelphia, Washington.

Cross Transportation Company. HQ: Bridgeton, New Jersey. Terminals: Jersey City, Philadelphia, Bridgeton.

Cushman Motor Delivery Company. HQ: Chicago, Illinois. Terminals: Cincinnati, Cleveland, Dayton, Detroit, Indianapolis, Milwaukee, South Chicago, Toledo.

Dance Freight Lines, Incorporated. HQ: Lexington, Kentucky. Terminals: Atlanta, Chattanooga, Cincinnati, Dayton, Macon, Knoxville.

Darling Freight, Incorporated. HQ: Grand Rapids, Michigan. Terminals: Battle Creek, Champaign, Detroit, Gary, Milwaukee, St. Louis, St. Paul.

Davidson Transfer & Storage Company. HQ: Baltimore, Maryland. Terminals: Baltimore, Harrisburg, Jersey City, New York, Newark, Philadelphia, Washington, Richmond.

Days Transfer, Incorporated. HQ: Elkhart, Indiana. Terminals: Chicago, Detroit, Ft. Wayne, South Bend.

Decatur Seaway Motor Express, Incorporated. HQ: Indianapolis, Indiana. Terminals: Cleveland, Columbus, Indianapolis, St. Louis.

Delta Motor Line, Incorporated. HQ: Jackson, Mississippi. Terminals: Chicago, Jackson, Memphis, New Orleans.

Dennis Truck Line. HQ: Chicago, Illinois. Terminals: Chicago, Cincinnati, Indianapolis, Louisville, New York.

Denver Chicago Trucking Company, Incorporated. HQ: Denver, Colorado. Terminals: Albany (N. Y.), Buffalo, Chicago, Cleveland, Colorado Springs, Denver, Detroit, Kansas City (Mo.), Los Angeles, New York, Phoenix, Pueblo, St. Louis, Seattle, Syracuse.

Dixie Highway Express, Incorporated. HQ: Meridian, Mississippi. Terminals: Atlanta, Birmingham, Gulfport, Jackson, Jacksonville, Louisville, Nashville, New Orleans, St. Louis.

Dixie Ohio Express, Incorporated. HQ: Akron, Ohio. Terminals: Akron, Atlanta, Buffalo, Chattanooga, Cincinnati, Cleveland, Erie, Knoxville, Lexington (Ky.), Louisville, Nashville.

Dohrn Transfer Company. HQ: Rock Island, Illinois. Terminals: Burlington (Ia.), Chicago, Cincinnati, Clinton (Ia.), Columbus, Dayton, Detroit, Galesburg, Indianapolis, Keokuk, Louisville, Peoria, Quincy, Rock Island, Rockford, St. Louis.

Dorn's Transportation Company. HQ: Rensselear, New York. Terminals: Baltimore, New York, Philadelphia, Rensselear.

Douglas Trucking Lines, Incorporated. HQ: Owosso, Michigan. Terminals: Chicago, Detroit, Flint, Gary, Owosso, Pontiac.

Doyle Freight Lines. HQ: Saginaw, Michigan. Terminals: Chicago, Detroit, Flint, Grand Rapids, Lansing.

Dundee Truck Line. HQ: Toledo, Ohio. Terminals: Ann Arbor, Chicago, Detroit, South Bend, Toledo.

ET & WNC Transportation Company. HQ: Johnson City, Tennessee. Terminals: Charlotte, Chattanooga, Durham, High Point, Winston-Salem.

East Texas Motor Freight. HQ: Dallas, Texas. Terminals: Beaumont, Chicago, Dallas, Ft. Worth, Henderson, Houston, Jefferson (Tex.), Little Rock, Longview-Kilgore, Lufkin, Marshall, Memphis, St. Louis, San Antonio, Shreveport, Texarkana, Tyler.

Eastern Express, Incorporated. HQ: Terre Haute, Indiana. Terminals: Baltimore, Bridgeport, Chicago, Cincinnati, Cleveland, Dayton, Evansville, Ft. Wayne, Harrisburg, Indianapolis, Jersey City, Metutchen (N. J.), Philadelphia, Pittsburgh, St. Louis, Trenton, Zanesville.

Eastern Motor Dispatch, Incorporated. HQ: Columbus, Ohio. Terminals: Bridge-

port, Brooklyn, Cincinnati, Dayton, Philadelphia, Reading, Trenton.

Eazor Express, Incorporated. HQ: Pittsburgh, Pennsylvania. Terminals: Buffalo, Chicago, Erie, Jersey City, New York, Rochester, Wheeling.

Ellis Trucking Company, Incorporated. HQ: Indianapolis, Indiana. Terminals: Cincinnati, Dayton, Detroit, Ft. Wayne, Jackson (Mich.), Memphis.

Federal Express, Incorporated. HQ: Indianapolis, Indiana. Terminals: Akron, Cleveland, Indianapolis, Louisville, Muncie, St. Louis, Toledo.

Follmer Trucking Company. HQ: Danville, Pa. Terminals: Baltimore, Harrisburg, Lancaster, Philadelphia, Scranton, York.

Fowler & Williams, Incorporated. HQ: Scranton, Pennsylvania. Terminals: Easton, New York, Newark, Philadelphia, Syracuse, Wilkes-Barre.

Frisco Transportation Company. HQ: Springfield, Missouri. Terminals: Ada (Okla.), Dallas, Joplin, Kansas City (Mo.), Oklahoma City, Tulsa.

Garrett Freight Lines, Incorporated. HQ: Pocatello, Idaho. Terminals: Berkely, Boise, Butte, Denver, Elko (Nev.), Los Angeles, Portland (Ore.), San Francisco.

Gateway Transportation Company. HQ: LaCrosse, Wisconsin. Terminals: Akron, Beloit, Buffalo, Chicago, Cincinnati, Des Moines, Detroit, Milwaukee, St. Louis, St. Paul.

General Expressways, Incorporated. HQ: Chicago, Ill. Terminals: Akron, Baltimore, Boston, Chicago, Cincinnati, Danbury, Detroit, Ft. Wayne, Hartford, New York, Providence, St. Louis, Syracuse.

Georgia Highway Express, Incorporated. HQ: Atlanta, Georgia. Terminals: Atlanta, Chattanooga, Knoxville, Macon, Marietta.

Gillette Motor Transport, Incorporated. HQ: Dallas, Texas. Terminals: Dallas, El Paso, Ft. Worth, Kansas City (Mo.), Oklahoma City, Tulsa.

Glendenning Motorways, Incorporated. HQ: St. Paul, Minnesota. Terminals: Bemidji, Chicago, Duluth, Huron (S. D.), St. Paul.

Gordons Transports, Incorporated. HQ: Memphis, Tennessee. Terminals: Baton Rouge, Birmingham, Chicago, Hattiesburg (Miss.), Jackson, Memphis, Mobile, New Orleans, New York, St. Louis.

Great Southern Trucking Company. HQ: Jacksonville, Florida. Terminals: Atlanta, Charlotte, Chattanooga, Clearwater, Ft. Lauderdale, Greensboro, Jacksonville, Macon, Miami, Raleigh, Tampa.

H&W Motor Express Company. HQ: Dubuque, Iowa. Terminals: Cedar Rapids, Chicago, Davenport, Des Moines, Minneapolis, Rockford, Waterloo.

Hall's Motor Transit Company. HQ: Sunbury, Pa. Terminals: Baltimore, Buffalo, Cleveland, Jersey City, New York, Newark, Philadelphia, Syracuse.

Hancock Trucking, Incorporated. HQ: Evansville, Indiana. Terminals: Chicago, Cincinnati, Cleveland, Columbus, Detroit, Evansville, Indianapolis, Louisville, Milwaukee, Pittsburgh, St. Louis, Vincennes, Warren (Ohio).

Harris Express, Incorporated. HQ: Charlotte, N. C. Terminals: Baltimore, Brooklyn, Charlotte, Harrisburg, Philadelphia.

Hart Motor Express, Incorporated. HQ: Minneapolis, Minnesota. Terminals: Bismarck, Chicago, Fargo, Little Falls, Minneapolis, Minot.

Hayes Freight Lines, Incorporated. HQ: Winston-Salem, North Carolina. Terminals: Akron, Chicago, Cleveland, Detroit, Louisville, Memphis, Nashville, St. Louis, Toledo.

Helm's Express, Incorporated. HQ: Pittsburgh, Pennsylvania. Terminals: Altoona, Cincinnati, Cleveland, Harrisburg, New York, Pittsburgh, Philadelphia.

Hemingway Brothers Interstate Trucking Company. HQ: New Bedford, Massachusetts. Terminals: Augusta (Me.), Boston, New Bedford, New York, Philadelphia, Providence, Trenton.

Hennis Freight Lines, Incorporated. HQ: Winston-Salem, North Carolina. Terminals: Akron, Atlanta, Augusta, Baltimore, Charleston (S. C.), Charlotte, Chicago, Cincinnati, Cleveland, Columbia (S. C.), Columbus (Ohio), Dayton, Detroit, Durham, Greensboro, Greenville, Hickory (N. C.), Indianapolis, Jersey City, Lynchburg, Martinsville (Va.), Philadelphia, Portsmouth (Va.), Richmond, Roanoke, Ruby (S. C.), Salisbury, Savannah, Spartanburg, Statesville (N. C.), Toledo, Winston-Salem, Zanesville.

Herrin Transportation Company. HQ: Houston, Texas. Terminals: Baton Rouge, Beaumont, Dallas, Houston, Jacksonville, Memphis, New Orleans.

Herriott Trucking Company. HQ: E. Palestine, Ohio. Terminals: Altoona, Buffalo, Chicago, Niagara Falls, Pittsburgh.

Highway Express Lines, Incorporated. HQ: Philadelphia, Pennsylvania. Terminals: Atlantic City, Hoboken, Norfolk, Philadelphia, Pittsburgh, Washington.

Holland Motor Express, Incorporated. HQ: Holland, Michigan. Terminals: Benton Harbor, Cincinnati, Fort Wayne, Louisville, Muskegon.

Hoover Motor Express Company. HQ: Nashville, Tennessee. Terminals: Anniston, Atlanta, Birmingham, Chattanooga, Chicago, Cincinnati, Columbia (Tenn.), Crossville (Tenn.), Decatur, Florence-Sheffield, Gallatin (Tenn.), Indianapolis, Jackson (Tenn.), Knoxville, Lawrenceburg (Tenn.), Lebandon (Tenn.), Louisville, St. Louis, Shelbyville, Tullahoma (Tenn.), Winchester (Tenn.).

Huber & Huber Motor Express, Incorporated. HQ: Louisville, Kentucky. Terminals: Atlanta, Chicago, Frankfort, Knoxville.

Husmann & Roper Freight Lines, Incorporated. HQ: St. Louis, Missouri. Terminals: Centralia (Ill.), Cincinnati, Kansas City (Mo.), Louisville, St. Louis.

Inland Motor Freight. HQ: Spokane, Washington. Terminals: Lewiston (Idaho), Portland (Ore.), Seattle, Spokane, Yakima.

International Transport, Incorporated. HQ: Rochester, Minnesota. Terminals: Chicago, Edmonton, Milwaukee, Minneapolis.

Interstate Dispatch, Incorporated. HQ: Chicago, Illinois. Terminals: Chicago, Cincinnati, Milwaukee, Rock Island, St. Louis.

Interstate Motor Freight System. HQ: Grand Rapids, Michigan. Terminals: Akron, Albany, Baltimore, Battle Creek, Binghampton, Boston, Buffalo, Cheyenne, Chicago, Cincinnati, Cleveland, Columbus, Dayton, Denver, Detroit, Elmira, Erie, Flint, Ft. Wayne, Grand Rapids, Indianapolis, Jackson, Kalamazoo, Kansas City (Mo.), Kokomo, Lancaster, Lincoln, Louisville, Milwaukee, Muncie, New Haven, Omaha, Peoria, Philadelphia, Pittsburgh, Pontiac, Providence, Rochester, St. Louis, St. Paul, Sioux City, South Bend, Syracuse, Terre Haute, Toledo, Trenton, Utica, Worcester.

Interstate Motor Lines, Incorporated. HQ: Salt Lake City, Utah. Terminals: Boise, Chicago, Denver, Elko, Ely, Kansas City (Mo.), Las Vegas, Los Angeles, Oakland, Ogden, Pocatello, Portland, Provo, Rawlins, Rock Springs (Wyo.), Sacramento, Salt Lake City, San Bernardino, San Francisco, Twin Falls (Idaho).

Johnson Freight Lines, Incorporated. HQ: Nashville, Tennessee. Terminals: Atlanta, Chattanooga, Cincinnati, Louisville, Nashville, Dalton (Georgia).

Johnson Motor Lines, Incorporated. HQ: Charlotte, N. C. Terminals: Allentown, Anderson, Atlanta, Avenel (N. J.), Baltimore, Charleston (S. C.), Charlotte, Columbia (S. C.), Greenville, Harrisburg, Hartford, Marion (N. C.), Medford (Mass.), New York, Paterson (N. J.), Pawtucket, Philadelphia, Spartanburg (S. C.), Stratford (Conn.), Thomasville (N. C.), Wallace (S. C.), York.

Jones Motor Company, Incorporated. HQ: Spring City, Pennsylvania. Terminals: Baltimore, Jersey City, New York, Philadelphia, Pittsburgh, York.

Jones Truck Lines, Incorporated. HQ: Springdale, Arkansas. Terminals: Chicago, Dallas, Ft. Worth, Gary, Joplin, Kansas City (Mo.), St. Louis, Tulsa.

Keeshin Transport System. HQ: Toledo, Ohio. Terminals: Chicago, Cleveland, Detroit, Milwaukee, Rockford.

Knaus Truck Lines, Incorporated. HQ: Kansas City, Missouri Terminals: Chicago, Colby (Kan.), Denver, Des Moines, Dodge City, Great Bend (Kans.), Hutchinson, Indianapolis, Kansas City (Mo.), Moline, St. Joseph, Springfield (Ill.), Topeka, Wichita.

Lake Motor Freight Lines, Incorporated. HQ: South Bend, Indiana. Terminals: Akron, Chicago, Cleveland, Detroit, Sandusky, Toledo.

Lancaster Transportation Company. HQ: Lancaster, Pennsylvania. Terminals: Baltimore, Lancaster, Philadelphia, Pittsburgh, Wilmington.

Lee Way Motor Freight, Incorporated. HQ: Oklahoma City, Oklahoma. Terminals: Amarillo, Chicago, Dallas, Ft. Worth, Oklahoma City, St. Louis, Wichita.

Liberty Motor Freight Lines, Incorporated. HQ: Secaucus, New Jersey. Terminals: Boston, Buffalo, Detroit, Cleveland, New Haven, Syracuse.

Lombard Brothers, Incorporated. HQ: Waterbury, Connecticut. Terminals: Boston, Hartford, Philadelphia, Worcester.

Long Transportation Company. HQ: Detroit, Michigan. Terminals: Brooklyn, Chicago, Cleveland, Detroit, Gary, South Bend, Toledo.

Lyons Transportation Company. HQ: Erie, Pennsylvania. Terminals: Akron, Buffalo, Cleveland, Erie, Pittsburgh, Syracuse, Youngstown.

M&M Transportation Company. HQ: Somerville, Mass. Terminals: Newark, New York, Philadelphia, Providence, Worcester.

Mason & Dixon Lines, Incorporated. HQ: Kingsport, Tennessee. Terminals: Atlanta, Baltimore, Birmingham, Charlotte, Chattanooga, Knoxville, Memphis, New York, Philadelphia, Richmond, Woonsocket, York.

McLean Trucking Company. HQ: Winston-Salem, North Carolina. Terminals: Atlanta, Baltimore, Birmingham, Chicago, Cincinnati, Durham, Hartford, Jersey City, Milwaukee, New York, Philadelphia, Washington.

McNamara Motor Express, Incorporated. HQ: Kalamazoo, Michigan. Terminals: Battle Creek, Benton Harbor, Chicago, Decatur, Detroit, Gary, Grand Rapids, Holland (Mich.), Kalamazoo, Kankakee, Milwaukee, Peoria, St. Louis, South Bend, Springfield (Ill.) Three Rivers (Mich.).

Mead, W. L. HQ: Norwalk, Ohio. Terminals: Boston, Columbus, Norwalk, Providence, Worcester.

Michigan Express, Incorporated. HQ: Grand Rapids, Michigan. Terminals: Battle Creek, Chicago, Cleveland, Detroit, Gary, Lansing, New York.

Mid-Continent Freight Lines, Incorporated. HQ: Chicago, Illinois. Terminals: Akron, Chicago, Cincinnati, Dallas, Houston, Milwaukee, Minneapolis, St. Louis, Oklahoma City.

Middle Atlantic Transportation Company. HQ: New Britain, Connecticut. Terminals: Boston, Cincinnati, Cleveland, Dayton, Detroit, Milford (Conn.), New Britain, New York, Newark, Pittsburgh, Springfield (Mass.), Toledo, Worcester.

Modern Transfer Company. HQ: Allentown, Pennsylvania. Terminals: Albany, Baltimore, New York, Passaic, Philadelphia, Pittsburgh.

Mohawk Motor, Incorporated. HQ: Tiffin, Ohio. Terminals: Cleveland, Dayton, Detroit, Ft. Wayne, Lima, Toledo.

Moore Motor Freight Lines, Incorporated. HQ: St. Paul, Minnesota. Terminals: Chicago, Minneapolis.

Motor Cargo, Incorporated. HQ: Akron, Ohio. Terminals: Baltimore, Chicago, Cleveland, Ft. Wayne, Milwaukee, Peoria, Philadelphia, St. Louis, St. Paul.

Motor Express, Incorporated. HQ: Cleveland, Ohio. Terminals: Akron, Buffalo, Erie, Pittsburgh, Toledo.

Motor Freight Express, Incorporated. HQ: York, Pennsylvania. Terminals: Altoona, Baltimore, Harrisburg, Lancaster, New York, Philadelphia, Pittsburgh.

Murphy Motor Freight Lines, Incorporated. HQ: St. Paul, Minnesota. Terminals: Chicago, Duluth, La Crosse, Sioux City, Sioux Falls.

National Transit Corporation. HQ: Detroit, Michigan. Terminals: Cincinnati, Columbus, Dayton, Lima, Toledo, Flint, Bay City.

Navajo Freight Lines, Incorporated. HQ: Denver, Colorado. Terminals: Albuquerque, Amarillo, Andrews (Tex.), Brownfield (Tex.), Denver, Elkhart, Flagstaff, Ft. Wayne, Fresno, Gallup, Hobbs (N.M.), Kansas City (Mo.), Kingman (Ariz.), La Porte, Las Vegas, Los Angeles, Lubbock, Oakland, Odessa, Omaha, Phoenix, Pueblo, San Francisco, Santa Fe, South Bend, Stockton, Wichita.

New England Transportation Company. HQ: Boston, Mass. Terminals: Boston, Bridgeport, Fall River, New Haven, New London, New York, Providence.

Newsom Trucking Company, Incorporated. HQ: Columbus, Indiana. Terminals: Chicago, Cleveland, Detroit, Flint, Louisville.

Norwalk Truck Lines, Incorporated. HQ: Lancaster, Pennsylvania. Terminals: Baltimore, Buffalo, Cleveland, Harrisburg, North Bergen, Philadelphia, Rochester, Scranton, Syracuse, Wilmington.

Novick Transfer Company, Incorporated. HQ: Winchester, Virginia. Terminals: Baltimore, Charlotte, Covington, New York, Washington, Philadelphia.

Olson Motor Service Company. HQ: Milwaukee, Wisconsin. Terminals: Chicago, Hammond, Milwaukee, Racine.

Olson Transportation Company. HQ: Green Bay, Wisconsin. Terminals: Chicago, Escenaba, Fond du Lac, Menominee, Oshkosh, Sheboygan.

Overnite Transportation Company. HQ: Richmond, Virginia. Terminals: Atlanta, Durham, Macon, Richmond, Savannah.

Pacific Intermountain Express. HQ: Oakland, California. Terminals: Boise, Burley (Idaho), Cheyenne, Chicago, Colorado Springs, Denver, Ely, Emeryville (Cal.), Eugenem Fresno, Idaho Falls, Kansas City (Mo.), Las Vegas, Long Beach, Los Angeles, Missoula, Oakland, Ogden, Pasco, Pocatello, Pomona, Portland, Provo, Rawlins, Reno, Sacramento, St. Joseph, St. Louis, Salem, Salt Lake City, San Tacoma, Topeka, Wichita, Yakima.

Pacific Motor Trucking Company. HQ: San Francisco, California. Terminals: Eugene, Long Beach, Los Angeles, Oakland, San Diego, Tucson.

Penn Dixie Lines, Incorporated. HQ: York, Pennsylvania. Terminals: Altoona, Baltimore, Tampa, York.

Pic-Walsh Freight Company. HQ: St. Louis, Missouri. Terminals: Chicago, Cincinnati, Kansas City, Memphis, St. Louis.

Pilot Freight Carriers, Incorporated. HQ: Winston-Salem, North Carolina. Terminals: Albany, Asheville, Atlanta, Augusta, Baltimore, Buffalo, Charleston (S.C.), Charlotte, Columbia, Durham, Greenville, Hickory (N.C.), Laurinburg (N.C.), New York, Philadelphia, Rochester, Savannah, Shelby, Syracuse, Utica, Winston-Salem.

Point Express, Incorporated. HQ: Charleston, West Virginia. Terminals: Charleston, Cincinnati, Bluefield (W.Va.).

Prucka Transportation Incorporated. (A division of the Interstate Motor Freight System.) HQ: Omaha, Nebraska. Terminals: Cheyenne, Chicago, Denver, Kansas City, Lincoln, Omaha, Sioux City.

R. C. Motor Lines. HQ: Jacksonville, Florida. Terminals: Atlanta, Baltimore, Greensboro, Jacksonville, Macon, New York, Philadelphia.

Red Ball Motor Freight, Incorporated. HQ: Dallas, Texas. Terminals: Amarillo, Colorado Springs, Dallas, Denver, Ft Worth, Santa Fe, Texarkana, Shreveport.

Red Star Transit Company, Incorporated. HQ: Detroit, Michigan. Terminals: Akron, Chicago, Cleveland, Detroit, Pittsburgh, Toledo.

Ringsby Truck Lines, Incorporated. HQ: Denver, Colorado. Terminals: Battle Mountain (Nev.), Carlin (Nev.), Casper, Cheyenne, Chicago, Chugwater (Wyo.), Craig (Colo.), Denver, Douglas (Wyo.), Glendo (Wyo.), Glenrock (Wyo.), Grand Junction (Colo.), Guernsey (Wyo., Hawthorne (Nev.), Kansas City (Mo.), Las Vegas, Los Angeles, Musk, Oakland, Ogden, Omaha, Provo, Reno, Sacramento, St. Louis, Salt Lake City, San Francisco, Torrington (Wyo.), Wheatland (Wyo.), Yerington (Nev.).

Roadway Express, Incorporated. HQ: Akron, Ohio. Terminals: Akron, Amarillo, Atlanta, Baltimore, Birmingham, Bridgeport, Charlotte, Chattanooga, Hoboken, Milwaukee, Philadelphia, Pittsburgh.

Rock Island Motor Transit Company. HQ: Des Moines, Iowa. Terminals: Atchison, Cedar Rapids, Dallas, Davenport, Little Rock, Oklahoma City, Omaha, Wichita.

Rodgers Motor Lines, Incorporated. HQ: Scranton, Pennsylvania. Terminals: Baltimore, Buffalo, New York, Niagara Falls, Utica, Easton, Scranton.

Saginaw Transfer Company, Incorporated. HQ: Saginaw, Michigan. Terminals: Chicago, Detroit, Kalamazoo, Lansing, Saginaw.

St. Johnsbury Trucking Company, Incorporated. HQ: St. Johnsbury, Vermont. Terminals: Bangor, Barre, Bennington, Boston, New Haven, New York, Newark, Pawtucket, Providence.

Santa Fe Trail Transportation Company. HQ: Wichita, Kansas. Terminals: Abilene, Albuquerque, Dallas, Denver, El Paso, Ft. Worth, Joplin, Kansas City

(Mo.), Las Vegas, Omaha, Oklahoma City, Pueblo, Santa Fe.

Schreiber Trucking Company, Incorporated. HQ: Pittsburgh, Pa. Terminals: Baltimore, Buffalo, Chicago, Philadelphia, Pittsburgh, Rochester, Syracuse.

Schupper Motor Lines, Incorporated. HQ: New York City. Terminals: Baltimore, New York, Philadelphia.

Security Cartage Company, Incorporated. HQ: Ft. Wayne, Indiana. Terminals: Chicago, Cincinnati, Ft. Wayne, Lima.

Shippers Dispatch, Incorporated. HQ: South Bend, Indiana. Terminals: Akron, Cleveland, Chicago, Detroit, Toledo, South Bend.

Silver Fleet Motor Express, Incorporated. HQ: Louisville, Kentucky. Terminals: Birmingham, Chattanooga, Chicago, Ft. Wayne, Knoxville, Louisville, Nashville.

Smith Transport Limited. HQ: Hoboken, New Jersey. Terminals: Syracuse, Buffalo, Hoboken, New York, Canadian points.

Smith's Transfer Corporation. HQ. Staunton, Virginia. Terminals: Baltimore, Boston, New York, Newark, Philadelphia, Washington.

Southern Pacific Transport Company. HQ: Houston, Texas. Terminals: Louisiana and Texas.

Southern-Plaza Express, Incorporated. HQ: Dallas, Texas. Terminals: Austin, Chicago, Dallas, El Paso, Kansas City (Mo.), Memphis, Tulsa.

Southwest Freight Lines, Incorporated. HQ: Kansas City, Kansas. Terminals: Chicago, Kansas City, St. Louis, Tulsa, Wichita.

Southwestern Transportation Company. HQ: Texarkana, Texas. Terminals: Cincinnati, Dallas, Ft. Worth, Jonesboro, Little Rock, Shreveport, St. Louis.

Spector Mid-States. HQ: Chicago, Illinois. Terminals: Albany, Baltimore, Boston, Bridgeport, Buffalo, Chicago, Cleveland, Decatur, Eau Claire (Wis.), Indianapolis, Kansas City (Mo.), Milwaukee, New Britain, New York, Newark, Peoria, Philadelphia, Providence, Rochester, St. Louis, St. Paul, South Bend, Springfield (Mass.), Topeka, Wichita, Worcester.

Stefke Freight Company. HQ: Wasau, Wisconsin. Terminals: Appleton (Wis.), Chicago, Dubuque, Fond du Lac, Green Bay, Madison (Wis.), Milwaukee, St. Paul, Waukegan, Wasau.

Strickland Transportation Company. HQ: Dallas, Texas. Terminals: Amarillo, Atlantic City, Aurora (Ill.), Camden, Chicago, Cleveland, Dallas, Fort Worth, Houston, Joliet, Little Rock, Memphis, New York, Philadelphia, St. Louis, San Antonio, Shreveport, Texarkana.

Summit Fast Freight, Incorporated. HQ: Akron, Ohio. Terminals: Akron, Canton, Chicago, Cleveland, Indianapolis, Pittsburgh, St. Louis.

Super Service Motor Freight Company. Baltimore, Chattanooga, Chicago, Dalton (Ga.), Evansville, Hendorson (Ky.), Knoxville, Nashville, New York, Philadelphia, St. Louis, South Kearney (N.J.), Union, New Jersey.

T.I.M.E. Incorporated. HQ: Lubbock, Texas. Terminals: Atlanta, Cincinnati, El Paso, Evansville, Harrison (Ark.), Hobbs (N.M.), Humboldt (Tenn.), Joplin, Kansas City (Mo.), Little Rock, Los Angeles, Lubbock, Memphis, Nashville, Oklahoma City, Paris (Tenn.), Phoenix, St. Louis, Springfield (Mo.), Tucson, Tulsa.

TSC Motor Freight Lines, Incorporated. HQ: Houston, Texas. Terminals: Baton Rouge, Birmingham, Houston, Jackson (Miss.), New Orleans.

Tarbet Trucking, Incorporated. HQ: Chicago, Cleveland, Detroit, Erie, Louisville, Toledo, Muncie.

Terminal Transport Company, Incorporated. HQ: Atlanta, Georgia. Terminals: Atlanta, Birmingham, Chicago, Indianapolis, Louisville, Tampa.

Texas-Arizona Motor Freight, Incorporated. HQ: El Paso, Texas. Terminals: Douglas (Ariz.), El Paso, Houston, Los Angeles, Odessa, Phoenix, San Antonio, Tucson.

Transamerican Freight Lines, Incorporated. HQ: Detroit, Michigan. Terminals: Akron, Boston, Bridgeport, Buffalo, Chicago, Cincinnati, Cleveland, Dallas, Detroit, Ft. Wayne, Kansas City (Mo.), Lincoln, New York, Louisville, Milwaukee, Omaha, Providence.

Transport Motor Express, Incorporated. HQ: Ft. Wayne, Indiana. Terminals: Chicago, Cleveland, Columbus (Ohio), Pittsburgh, Toledo.

Tucker Freight Lines, Incorporated. HQ: South Bend, Indiana. Terminals: Chicago, Detroit, Elkhart, Lansing, Toledo.

U. S. Truck Company, Incorporated. HQ: Detroit, Michigan. Terminals: Jackson, Flint, Owosso, Toledo.

Union Freightways. HQ: Omaha, Nebraska. Terminals: Cedar Rapids, Chicago, Denver, Kansas City (Mo.), Omaha.

United Truck Lines. HQ: Spokane, Washington. Terminals: Belingham, Boise, Everett, Lewiston, Missoula, Portland (Ore.), Spokane, Seattle.

United Trucking Service. HQ: Detroit, Michigan. Terminals: Cincinnati, Dayton, Detroit, Ft. Wayne, Toledo.

Victor Lynn Lines, Incorporated. HQ: Salisbury, Maryland. Terminals: Baltimore, Philadelphia, Washington, Wilminton.

Victorville Barstow Truck Line. HQ: Los Angeles, California. Terminals: Barstow, Los Angeles, San Bernardino, Victorville.

Viking Freight Company. HQ: St. Louis, Missouri. Terminals: Centralia, Chicago, Dallas, Jackson (Miss.), Philadelphia, St. Louis.

Watkins Motor Lines, Incorporated. HQ: Thomasville, Georgia. Terminals: Atlanta, Dallas, Los Angeles, New Castle (Del.), Waterloo.

Watson Brother Transportation Company. HQ: Omaha, Nebraska. Terminals: Albuquerque, Atchison, Chicago, Colorado Springs, Denver, Fresno, Kansas City (Mo.), Los Angeles, Oakland, Pueblo, St. Louis.

Werner Transportation Company. HQ: Minneapolis, Minnesota. Terminals: Ashland, Chicago, Cincinnati, Cleveland, Ft. Wayne, Minneapolis, Toledo.

Western Express Company. HQ: Cleveland, Ohio. Terminals: Boston, Buffalo, Cleveland, Erie, Syracuse, Worcester.

Western Truck Lines, Limited. HQ: Dallas, Texas. Terminals: El Paso, Fresno, Los Angeles, Oakland, Phoenix, Reno, San Francisco.

Western Trucking Company. HQ: St. Louis, Missouri. Terminals: Cincinnati, Louisville, St. Louis.

White Star Trucking Company. HQ: Lincoln Park, Michigan. Terminals: Canton, Cleveland, Detroit, Toledo, Youngstown.

Wilson Freight Forwarding Company. HQ: Cincinnati, Ohio. Terminals: Baltimore, Boston, Buffalo, Chicago, Cleveland, Erie, Louisville, New York, Philadelphia, Pittsburgh.

Wilson Storage & Transfer Company. HQ: Sioux Falls, South Dakota. Terminals: Chicago, Fargo, Minneapolis, Omaha, Pierre.

Wilson Truck Company, Incorporated. HQ: Nashville, Tennessee. Terminals: Athens (Ga.), Atlanta, Augusta, Charleston (S.C.), Chattanooga, Chicago, Clarksville (Tenn.), Elberton (Ga.), Greenville (S.C.), Hartwell (Ga.), Kansas City, Monroe (Ga.), Nashville, Rome (Ga.), St. Louis, Washington, Georgia.

Wolverine Express, Incorporated. HQ: Muskegon, Michigan. Terminals: Chicago, Cleveland, Lansing, Toledo.

Wooleyhan Transport Company. HQ: Wilmington, Delaware. Terminals: New York, Trenton, Lansdale (Pa.), Chester (Pa.).

Yale Transport Corporation. HQ: New York City. Terminals: Baltimore, Boston, Hartford, New Haven, New York, Philadelphia, Providence.

Yellow Transit Freight Lines, Incorporated. HQ: Kansas City, Missouri. Terminals: Amarillo, Chicago, Cleveland, Dallas, Detroit, Ft. Worth, Louisville, St. Louis, Tulsa, Toledo.

Ziffrin Truck Lines, Incorporated. HQ: Indianapolis, Indiana. Terminals: Chicago, Cincinnati, Indianapolis, Louisville, Milwaukee, Muncie.

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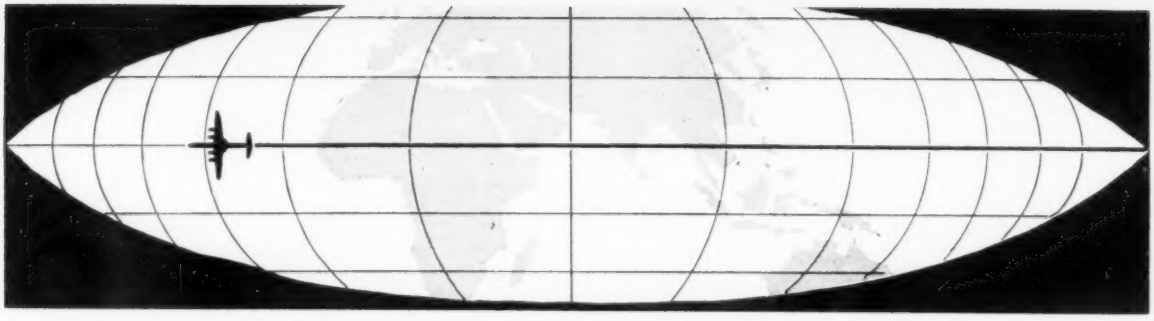

A shippers' guide to

AIR CARGO CARRIERS

Air France—HQ for North, Central, South American Division: 683 Fifth Avenue, New York. Cargo offices: Boston, 493 Boylston Street; Chicago, 22 South Michigan Avenue; Dallas, 1802 Main Street; Los Angeles, 510 West 6th Street; Miami, 326 East Flagler Street.

Alitalia—U. S. HQ: 666 Fifth Avenue. Cargo offices: Boston, 16 Providence Street; Chicago, 2 East Monroe Street; Philadelphia, 214 South 16th Street.

Allegheny Airlines—HQ: National Airport, Washington. Cargo offices: Baltimore, Friendship Airport; Cleveland, The Cleveland Hopkins; Detroit, Detroit Metropolitan Airport; New York, Newark Airport.

American Airlines—HQ: 100 Park Avenue, New York. Cargo offices: Boston, 470 Atlantic Avenue; Chicago, The Prudential Plaza; Dallas, 3406 Republic Bank; Los Angeles, 523 West 6th Street; Miami, 1640 DuPont Building.

Avianca—U. S. HQ: 6 West 49th Street, New York. Cargo offices: New York, 342 Fifth Avenue; Miami, 9 McAllister Arcade.

Bonanza Air Lines—HQ: P. O. Box 391, McCarran Field, Las Vegas. Cargo offices: Los Angeles, Los Angeles International Airport; Reno, Municipal Airport; Salt Lake City, Municipal Airport.

Braniff International Airways—HQ: Box 35001, Exchange Park, Dallas. Cargo offices: Chicago, Palmer House; Dallas, 211 North Ervay; Los Angeles, 900 Wilshire Boulevard; Miami, 35 N.E. Third Street; New York, 630 Fifth Avenue.

British Overseas Airways Corporation—U. S. HQ: 530 Fifth Avenue. Cargo offices: Boston, 76 Arlington Street; Chicago, 69 East Madison Street; Dallas, 1740 Mercantile Dallas Building; Detroit, 1239 Washington Boulevard; Los Angeles, 530 West 6th Street; Miami, 20 McAllister Hotel Arcade; Montreal, Montreal Airport; Washington, 1124 Connecticut Avenue, North West.

Capital Airlines—HQ: National Airport, Washington. Cargo offices: Atlanta, 10 Forsyth Street; Buffalo, Hotel Statler; Chicago, State & Monroe Streets; Detroit, 1248 Washington Boulevard; Philadelphia, 1606 Walnut Street.

Continental Air Lines—HQ: P. O. Box 9063, Denver. Cargo offices: Albuquerque, Kirkland Field; Austin, Municipal Airport; Chicago, 6054 South Cicero Avenue; Dallas, Love Field.

Delta Air Lines—HQ: Municipal Airport, Atlanta. Cargo offices: Baltimore, Lord Baltimore Hotel; Chicago, 67 East Monroe Street; Cincinnati, 1235 Fifty-Third Building; Dallas, 530 Mercantile Building; Miami, 300 N.E. First Street; New York, 30 Rockefeller Plaza.

Eastern Air Lines—HQ: 10 Rockefeller Plaza, New York. Cargo offices: Atlanta, Atlanta Airport; Boston, Logan International; Chicago, Midway Airport; Miami, International Airport; Washington, National Airport.

El Al Israel Air Lines—U. S. HQ: 545 Madison Avenue, New York. Cargo offices: Chicago, 37 South Wabash Avenue; Los Angeles, 523 West 6th Street; Montreal, 620 Cathcart Street.

Flying Tiger Line—HQ: Lockheed Air Terminal, Burbank, California. Cargo offices: Boston, Logan International; Chicago, 5833 South Central Avenue; New York, Newark Airport.

Aeronaves Mexico—U. S. HQ: 44 Columbus Hotel Arcade, Miami. Cargo offices: New York, 60 East 42nd Street.

Iberia—U. S. HQ: 339 Madison Avenue, New York. Cargo offices: Chicago, 55 East Washington; Los Angeles, 530 West 6th Street; Philadelphia, 123 South Broad Street.

Irish Air Lines—U. S. HQ: 444 Madison Avenue.

Japan Air Lines—U. S. HQ: 2 West 46th Street, New York. Cargo offices: Chicago, 60 East Monroe Street; Los Angeles, 513 West 6th Street; San Francisco, 45 Grant Avenue; Washington, 1000 Connecticut Avenue, NW.

KLM Royal Dutch Airlines—U. S. HQ: 430 Park Avenue, New York. Cargo offices: Boston, 80 Boylston Street; Chicago, 62 East Monroe Street; Dallas, 209 Browder Street; Los Angeles, 9478 Wilshire Boulevard; Miami, 309 North East First Street.

Lanica—U. S. HQ: Miami International Airport. Cargo offices: New York, 1270 Avenue of the Americas.

Linea Aeropostal Venezolano—U. S. HQ: 781 Fifth Avenue. Cargo offices: Miami, 332 Biscayne Boulevard.

Lufthansa—U. S. HQ: 555 Fifth Avenue, New York. Cargo offices: Boston, Statler Office Building; Chicago, 81 East Monroe Street; Dallas, 1907 Elm Street; Los Angeles, 530 West 6th Street; Miami, 21 McAllister Arcade.

Mohawk Airlines—Oneida County Airport, Utica. Cargo offices: Boston, Logan International Airport; Buffalo, Municipal Airport; Newark, Newark Airport.

National Airlines—HQ: International Airport, Miami. Cargo offices: Boston, Logan International; New York, 80 East 42nd Street; Philadelphia, International Airport; Washington, National Airport.

Northeast Airlines—HQ: Logan International Airport, Boston. Cargo offices: Miami, International Airport; Montreal, Dorval Airport; New York, LaGuardia Airport; Washington, 1415 I Street, NW.

Northwest Orient Airlines—HQ: 1885 University Avenue, St. Paul. Cargo offices: Boston, 60 State Street; Chicago, 100 South Michigan Avenue; Dallas,

209 Browder Street; Los Angeles, 512 West Sixth Street; New York, 537 Fifth Avenue; Miami, 101 South East 7th Street.

Pan American Grace Airways—HQ: 135 East 42nd Street, New York.

Pan American World Airways—HQ: 135 East 42nd Street, New York. Cargo offices: Boston, 100 Federal Street; Chicago, 30 South Michigan Avenue; Dallas, 108 South Ervay Street; Los Angeles, 6th & Grand Streets; Miami, 2 Biscayne Boulevard.

Qantas Empire Airways—U. S. HQ: 350 Post Street, San Francisco, California. Cargo offices: Boston, c/o BOAC; Chicago, c/o BOAC; Dallas, c/o BOAC; Los Angeles, 506 West 6th Street; Miami, c/o BOAC.

Ransa Airlines—U. S. HQ: None. Cargo office: New York, 30 Church Street.

Real Airlines—U. S. HQ: 244 Biscayne Boulevard, Miami. Cargo offices: Chicago, 516 South Michigan Avenue; Dallas, 3715 Dickason Avenue; Los Angeles, 666 Fifth Avenue.

Riddle Airlines—HQ: International Airport, Miami. Cargo offices: Chicago, Midway Airport; Los Angeles, 6399 Wilshire Boulevard; New York, New York International Airport; Philadelphia, International Airport.

Sabena Belgian World Airlines—U. S. HQ: 20 Fifth Avenue. Cargo offices: Beverly Hills, 9870 Wilshire Boulevard; Boston, 72 Arlington Street; Chicago, 18 South Michigan Avenue; Cleveland, 1422 Euclid Avenue; Dallas, 810 Commerce Street; Denver, 909 17t Street; Detroit, 1249 Washington Boulevard; Houston, 814 Walker Avenue; Kansas City (Mo.), 921 Walnut Street; Los Angeles, 650 South Grand Avenue; Miami, 25 S.E. 2nd Avenue; Philadelphia, 1420 Walnut Street; Pittsburgh, 442 Oliver Avenue; San Francisco, 420 Post Street.

Scandinavian Airlines System—U. S. HQ: 138-02 Queens Boulevard, Jamaica, New York. Cargo offices: Chicago, 215 North Michigan Avenue; Los Angeles, 944 Wilshire Boulevard; New York, 638 5th Avenue; Philadelphia, 3 Penn Center; St. Louis, 8th & Olive Streets; Washington, 1001 Connecticut Avenue, N.W.

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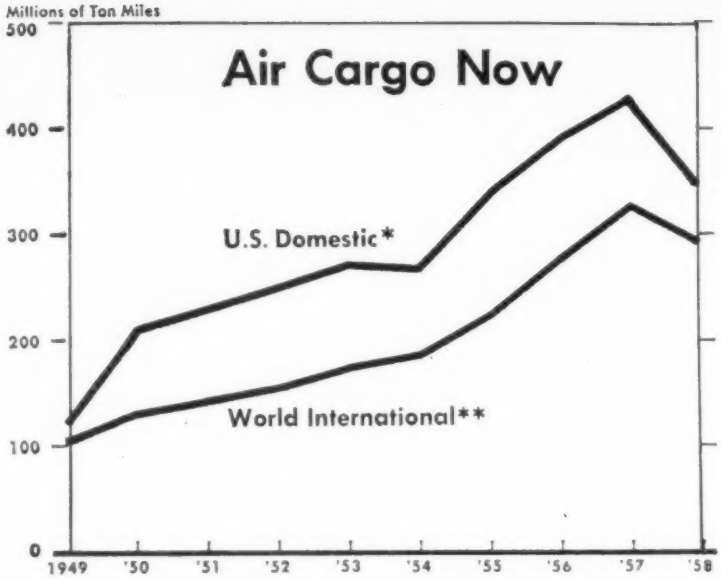

*Freight & express carried by U.S. trunklines, local service lines, all-cargo lines, & Alaskan airlines

**Freight & express carried between countries by 87 member airlines of IATA

Data: International Air Transport Assoc.; Air Transport Assoc.

Seaboard & Western Airlines—HQ: 80 Broad Street, New York.

Swissair—U. S. HQ: 10 West 49th Street, New York. Cargo offices: Chicago, 106 South Michigan Avenue; Cleveland, 1422 Euclid Avenue; Los Angeles, 40 South Broadway; Philadelphia, 123 South Broad Street; San Francisco, 171 Post Street; Toronto, 330 Bay Street.

Taca International Airlines—HQ: Moisant International Airport, New Orleans. Cargo offices: Chicago, 37 South Wabash Avenue; New York, 22 West 48th Street.

Trans-Canada Air Lines—U. S. HQ: None. Cargo offices: Boston, Hotel Statler; Chicago, 230 Michigan Avenue; Los Angeles, 510 West Sixth Street; New York, 730 Fifth Avenue.

Trans Caribbean Airways—HQ: 200 West 57th Street, New York City. Cargo offices: New York, International Airport; San Juan, Puerto Rico, International Airport.

Trans World Airlines—HQ: 380 Madison Avenue, New York. Cargo offices: Boston, 480 Boylston Street; Chicago, 37 South Wabash Avenue; Dallas, Statler-Hilton Hotel; Los Angeles, 620 West 6th Street; Miami, 36 Biscayne Boulevard; New York, 80 East 42nd Street.

TSA-Transcontinental—U. S. HQ: 666 Fifth Avenue, New York.

United Air Lines—HQ: 36 South Wabash Avenue, Chicago. Cargo offices: Boston, 156 Stuart Street; Chicago, 35 East Monroe Street; Dallas, 1220 Adolphus Tower; Los Angeles, 501 West Sixth Street; New York, 80 East 42nd Street.

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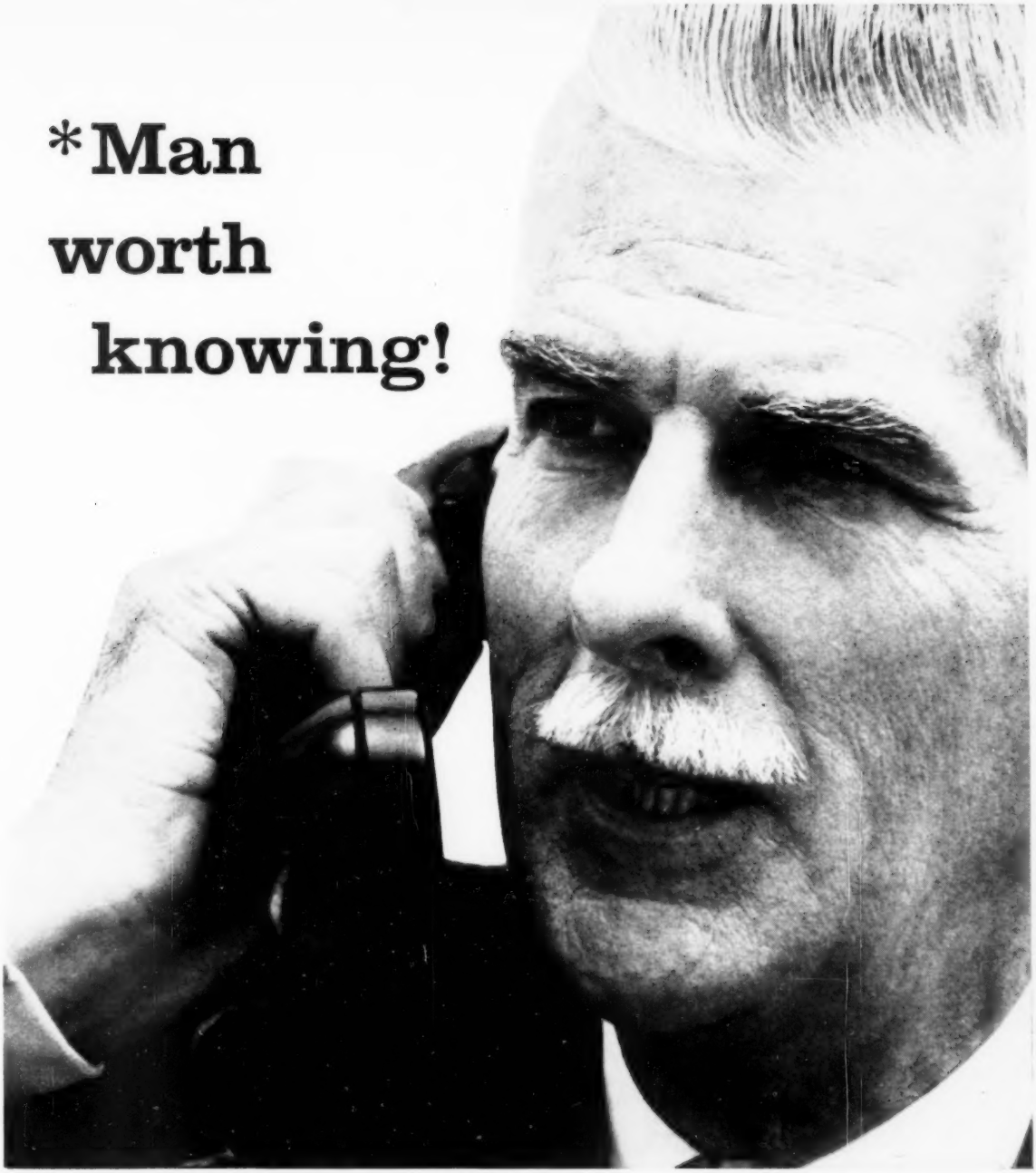

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Airline Ground Transportation Association, 501 Madison Ave., New York 22, N. Y.

Air Freight Forwarders Association, 1317 F St., N.W., Washington 4, D. C.

Air Transport Association of America, 1000 Connecticut Ave., N.W., Washington 6, D. C.

American Association of Port Authorities, 601 Southern Bldg., Washington 1, D. C.

American Bureau of Shipping, 45 Broad St., New York 4, N. Y.

American Management Association, 1515 Broadway, New York 36, N. Y.

American Material Handling Society, 638 Phillips Ave., Toledo 12, Ohio.

American Merchant Marine Institute, 11 Broadway, New York 4, N. Y.

American Trucking Associations, 1424 16th St., N.W., Washington 6, D. C.

American Warehousemens Association, Tower Bldg., N.W., Washington 5, D. C.

American Waterways Operators, Inc., 1025 Connecticut Ave., Washington 6, D. C.

Armed Forces—Industrial Associations: Air Force Assn.; American Ordnance Assn.; Armed Forces Chemical Assn.; Armed Forces Communications and Electronics Assn.; Assn. of the U. S. Army; National Defense Transportation Assn.; National Security Industrial Assn.; Quartermaster Assn.; U. S. Armor Assn.; all Washington, D. C.

Associated Traffic Clubs of America, 110 South Dearborn St., Chicago 3, Ill.

Chamber of Commerce of the United States, 1615 H St., N.W., Washington 6, D. C.

Export Managers Club of New York, 93 Worth St., New York 13, N. Y.

Fibre Box Association, 224 South Michigan Ave., Chicago 4, Ill.

Fibre Drum Manufacturers Association, 271 Madison Ave., New York 17, N. Y.

Folding Paper Box Association of America, 337 West Madison St., Chicago 6, Ill.

Foreign Commerce Club of New York, 30 Broad St., New York 4, N. Y.

Freight Forwarders Institute, 1111 E St., N.W., Washington 4, D. C.

Gummed Industries Association, 11 West 42nd St., New York 36, N. Y.

Marking Device Association, 912 Chicago Ave., Evanston, Ill.

Material Handling Institute, 1 Gateway Center, Pittsburgh 22, Pa.

Movers & Warehousemen's Association of America, Warner Bldg., N.W., Washington 4, D. C.

National Association of Scale Manufacturers, 1 Thomas Circle, N.W., Washington 5, D. C.

National Association of Shippers Advisory Boards, 1070 Boulevard S.E., Atlanta 1, Ga.

National Defense Transportation Association, 1001 Connecticut Ave., N.W., Washington 6, D. C.

National Fibre Can & Tube Association, 274 Madison Ave., New York 16, N. Y.

National Industrial Traffic League, 711 14th St., N.W., Washington 5, D. C.

National Wooden Box Association, 910 17th St., N.W., Washington 6, D. C.

National Wooden Pallet Manufacturers Association, 910 17th St., N.W., Washington 6, D. C.

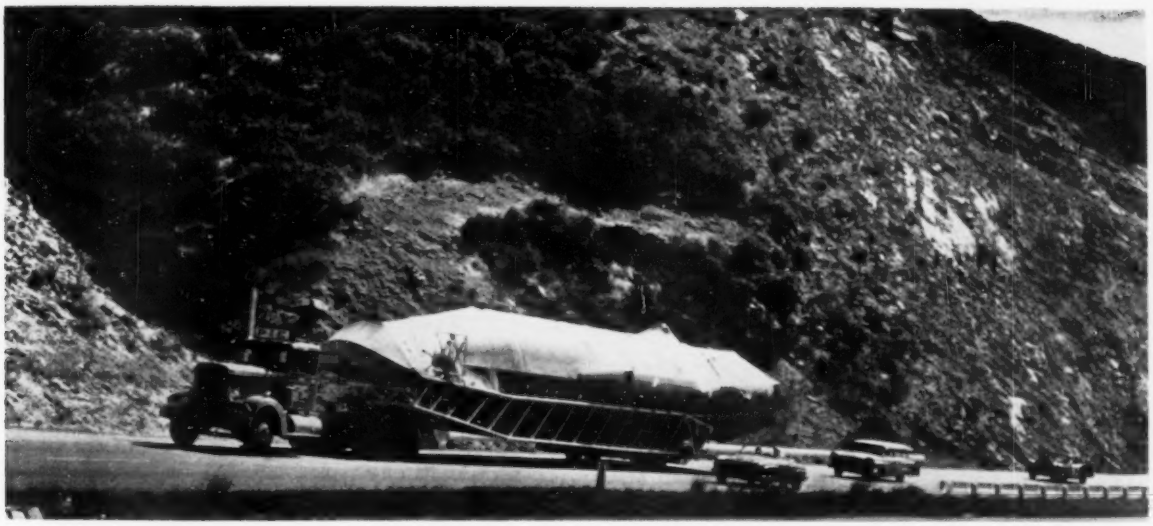
Pressure Sensitive Tape Council, 530 Echo Lane, Glenview, Ill.

Society of Packaging & Handling Engineers, 111 West Jackson Blvd., Chicago 4, Ill.

Transportation Association of America, 6 North Michigan Ave., Chicago 2, Ill.

Truck-Trailer Manufacturers Association, 1426 G St., N.W., Washington 5, D. C.

Wirebound Box Manufacturers Association, 222 West Adams Street, Chicago, Ill.



A guide to TRAFFIC-TRANSPORTATION TERMS

Abatement – A sum deducted from a bill. A discount allowed for damage, overcharges or the prepayment of a bill.

Absorption – An agreement on the part of the carrier to accept or absorb previously incurred charges on the shipper's goods without boosting his own charges.

Abstract of freight bills issued – A self-balancing recapitulation of the freight bills issued by a station. This is used for accumulating information into daily and monthly totals for the general records.

Abstract of waybills – A condensed statement of waybills, characterized as to waybills forwarded or waybills received.

Acceptance – The termination of liability through the receipt by the consignee of his shipment.

Accessorial service – Any service – loading, heating, or storage, etc. – performed by the carrier in addition to his regular transportation service.

Adjustment – The settlement of a claim, through the determination of loss and liability.

Advanced charge – Charges on a shipment which is advanced from Carrier X to Carrier Y. They are collected from the consignee by Carrier X, who advanced them.

Agency tariff – A tariff issued by an agent selected by more than one shipper. The tariff is in behalf of all the shippers.

Aggregated shipments – Treating a number of consignments as one shipment because they all go to the same consignee.

Agreed valuation – A consignment's value, agreed upon by both the shipper and the carrier, which determines rates and the amount of liability in the event of loss and damage.

Air waybill – A document prepared by the shipper or his agent defining the contract between the shipper and the carrier or carriers for the transport of the shipper's merchandise over the carrier's route.

Allowance – A deduction made from the gross weight or the value of goods.

Alternate rates – A privilege afforded the shipper, by which he may choose one of two or more rates to obtain the lowest charge.

Alternate route – A route that a carrier may use instead of the usual one.

Alternate tariff – A schedule of rates providing for two or more rates to the same place and permission to utilize the lowest rate.

Application for classification change – The form utilized in filing a request for a change in the provisions of a classification with a classification committee.

Astray freight – Cargo which has become separated in transit from its waybill.

Back haul – Transporting part of a consignment back over the same route it previously traveled.

Bad order freight – Damaged cargo.

Basing point – The point on which

the rates between two other points are based.

Bill of lading – A contract and receipt for goods; a statement to the effect that the carrier has received certain goods which he has agreed to transport from point to point. Lading are designated as **Straight** and **Order Notify.** The *Straight* b/1 is a non-negotiable document, which provides that a shipment is to be delivered to the part listed as consignee. The *Order Notify* b/1, on the other hand, is negotiable. Its surrender – endorsed by the shipper – is required by the carrier upon delivery. Purpose of the *Order Notify* b/1,: to enable a shipper to collect for his merchandise before it reaches its destination.

Billed weight – The weight appearing on the waybill and freight bill.

Blanket waybill – A waybill covering two or more consignments.

Bond of indemnity – A shipper-carrier agreement relieving the carrier of double liability when he has already reimbursed the shipper for loss of his goods.

Branch line–A subsidiary line, branching off a carrier's main line.

Break bulk – To unload freight from an over-the-highway vehicle and reship part or all of it.

Burden of proof – In traffic, an obligation to prove points at issue regarding contractual arrangements.

Buyer's right of routing – When the seller does not pay freight charges, the purchaser has the right to route his own shipment. If the seller deviates from the buyer's instructions, he is liable for any loss incurred.

Call station – The place where a pick-up and delivery service is offered, but where no warehouse or dock facilities are available.

Carrier's lien – The carrier's right to hold the shipper's property as security until such time as a shipping debt is paid.

Certificate of public convenience and necessity – An ICC permit enabling a common carrier to operate in interstate commerce.

Claim–A formal demand made against a carrier for reimbursement for loss, damage or overcharges.

Class and commodity tariff – A schedule of both class and commodity rates.

Class rate– A rate based on the type of goods hauled, applying to all goods not covered by a commodity or special rate.

Classification – A roster of various types of goods and the classes into which they fall. **Classification committee**– Representing carriers, a group assigned to establish classification provisions and ratings for a given territory. **Classification schedule** – A publication listing the ratings and descriptions of articles offered for shipment, plus the rules governing their preparation and handling.

Clean bill of lading – A B/L receipted by the carrier and free of notations pertaining to damage, shortage, etc.

C. O. D. service – The cost of merchandise and other charges, collected by the carrier when he delivers a shipment to the consignee.

Combination rates–Rates that are determined by the combination of rates from different schedules.

Commerce clause, U. S. Constitution –" . . . Congress shall have the power . . . to regulate commerce with foreign nations and among the several states . . . "

Commodity–An article in trade. Commodity rate – A rate applied to special merchandise, exempting it from class rates. Purpose: encouraging the movement of specific commodities.

Common carrier – A company transporting goods for the general public under ICC authority (if in interstate commerce) or state authority (if in intrastate commerce.)

Common tariff – A schedule of rates published for more than one carrier.

Concealed damage–Damage to goods which is not immediately visible because the package is still intact.

Consolidation (of shipments) – The act of combining a number of LTL shipments into a truckload. Such consolidation is generally confined to articles taking the same rating.

Contract carrier – A carrier transporting goods under a contract with one or more shippers.

Damage claim – A demand made against the carrier for reimbursement for damage to in transit merchandise.

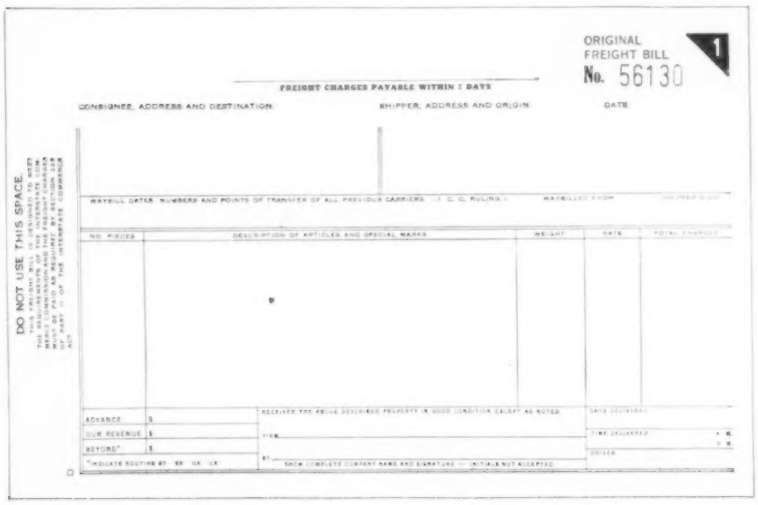
Declared valuation–The value placed upon a consignment when it is delivered to the carrier.

Differential– The difference between two rates, which, when added to another rate, creates a new rate.

Due bill – Issued by carriers, a bill for insufficient charges levied against the consignor or consignee.

Endorsement – Signing shipping papers to make them negotiable.

Exceptions to classifications – A published roster of rate changes covering certain articles to be transported between specific points.


ORIGINAL
FREIGHT BILL
No. 56130

FREIGHT CHARGES PAYABLE WITHIN 2 DAYS

CONSIGNEE, ADDRESS AND DESTINATION | SHIPPER, ADDRESS AND ORIGIN | DATE

DO NOT USE THIS SPACE

WAYBILL DATE, NUMBERS AND POINTS OF TRANSFER OF ALL PREVIOUS CARRIERS (I. C. C. RULING) | RATE BILLED FROM

NO. PIECES	DESCRIPTION OF ARTICLES AND SPECIAL MARKS	WEIGHT	RATE	TOTAL CHARGES

ADVANCE $
OUR REVENUE $
BEYOND* $
*INDICATE ROUTING BY: BR OR CR

RECEIVED THE ABOVE DESCRIBED PROPERTY IN GOOD CONDITION EXCEPT AS NOTED

DATE DELIVERED

TIME DELIVERED

DRIVER

SIGN COMPLETE COMPANY NAME AND SIGNATURE — INITIALS NOT ACCEPTED

Ex-warehouse – Sold from the warehouse door – but exclusive of charges or trucking charges.

False billing – Misrepresenting the type, weight, etc. of a shipment on shipping documents.

Fixed charges – Charges which do not fluctuate with the amount of traffic.

F.O.B. – An abbreviation for freight On Board. Meaning: the delivery of merchandise with the freight charges paid at the point of production.

Freight bill – An invoice rendered by the carrier, describing the freight, weight, tax and rate covering a shipment. If charges have been paid or are to be collected at the shipment's point of origin, the consignor is given a **Prepay Freight Bill.** If they have not been prepaid and charges are to be collected at the shipment's destination, the consignee is given a **Destination Freight Bill.**

Freight bill form– A freight bill consists of several copies, including: an original copy for the shipper or consignee, as the case may be; an additional customer's copy; an arrival notice; a delivery receipt; and extra copy of the delivery receipt; an audit copy; and a file copy.

Freight forwarder – A transport firm combining several LCL shipments from different consignors being forwarded to the same consignee. He consolidates and forwards them as one shipment.

Gross ton– 2,240 pounds.

Gross weight – The combined weight of an article and its packaging.

Hearing (rate) – When a complaint has been filed with the ICC and the carrier involved has denied the charges against him, a hearing is held by the Commission.

ICC – The Interstate Commerce Commission. **ICC number** – A number assigned by the ICC to tariffs and other transportation schedules filed with it.

"In apparent good order" – Applied to consignments which do not indicate loss or damage, although subsequent examination may uncover shortage or breakage.

Insurance (Freight) – A contract under which the assurer agrees, in consideration of the payment of a premium, to indemnify the person or firm taking out insurance for loss or damage to freight. Some of the more important risks covered by insurance are loss, damage and pilferage.

Interstate Commerce Act – Includes the following: Part 1, regulates rates, rules and practices of railroads engaged in interstate transportation; Part 2, regulates for-hire motor vehicles; Part 3, regulates common and contract water carriers operating on an interstate basis; Part 4, regulates freight forwarders.

Invoice –A record or statement of articles purchased.

Joint rate– The traffic rate between a point on Carrier A's line and a point on Carrier B's line which has been agreed to by both carriers.

Knocked down – Goods taken apart during shipment to save space.

Line haul (Motor) – The movement of goods from the carrier's terminal in one city to his terminal in another. The goods are delivered to and taken from the terminal.

Local cartage – The pickup and delivery of freight for line haul carriers.

Manifest – A list describing the contents of a truck or vessel.

Maximum rate – The established rate. Carriers may not legally charge more than the maximum rate.

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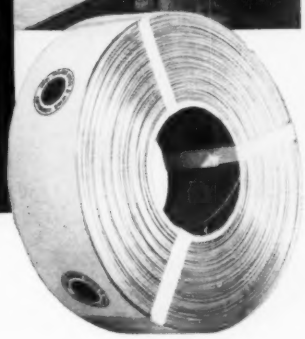

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Memorandum bill of lading – A copy of a bill of lading.

Minimum charge–An established rate which is the lowest that may be charged for any consignment.

Misrouted freight– Freight forwarded to the correct destination, but via a route taking a higher rate than is applicable via the route specified by the shipper. Also, freight for which a route has not been specified by the consignor, but which is forwarded via a route taking a higher rate than is applicable "via cheapest available route."

Off-route points – Places not on main arteries used by line haul carriers.

Order-notify (Bill of Lading) – A document used for goods consigned to the order of a person or company named in such a B/L. The consignee must pay the purchase price of the goods before the B/L is released to him by the bank. No shipment may be released by the carrier until the consignee presents the paid bill of lading.

Piggyback – Trailer-on-flat car service. **Piggyback plans**–Plan 1, rail transportation of highway trailers owned by common carrier truck companies; Plan 2, rail transport of rail-owned trailers; Plan 3, rail transportation of highway trailers owned by private shippers; Plan 4, rail transport of flat cars and trailers owned by private shippers.

Point of origin– The place where a consignment passes from the shipper to the carrier.

Prepaid shipment – Freight charges are collected by the carrier from the shipper before the consignment is moved.

Rate– The charge made for transportation. **Rate basis** – The procedure by which a rate is determined. **Rate check** – Check a freight bill for errors. **Rate factors** –The component rates in a through scale.

Rebate– That portion of the charge which the carrier refunds to the shipper. Illegal under current transport law.

Regular route common carrier – A motor carrier operating over a route between specified points with fixed termini on regular schedule.

Routing– Directing a consignment to its final destination.

Schedule – A tariff or list of rates.

Semi-trailer – A vehicle which must be attached to a tractor to move.

Shipping order – The third copy of the bill of lading, containing instructions for the carrier.

Statutory notice – The length of notice which a carrier must give the shipping public with regard to rate changes.

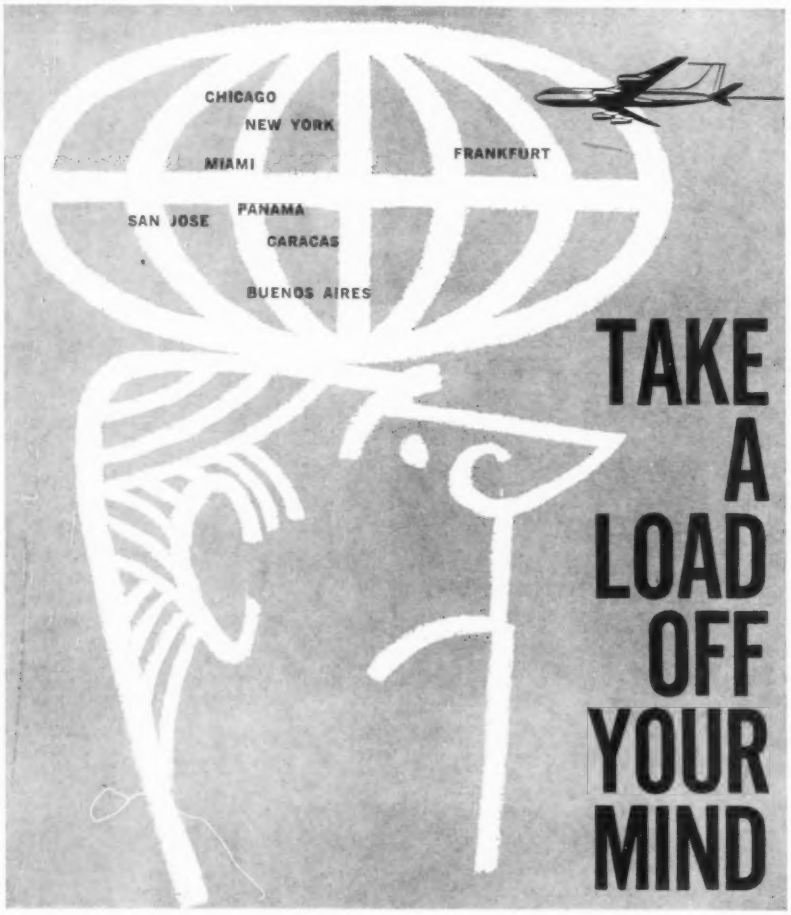
Surcharge – A charge added to the regular rate.

Tare – A deduction from the weight of goods because of the weight of the packaging.

Through bill of lading – A B/L under which goods move from point of origin to final destination, despite the fact that they are transferred to a different carrier while in transit.

Undercharge – The difference between what was charged and what should have been charged, when less than the rate was collected.

Unit load – Combining several differ-



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Waybill – A record of each shipment that lists the shipper, consignee, type of goods and weight, the rate at which they are being shipped and the place of origin and destination.

KEY TRAFFIC-TRANSPORTATION ABBREVIATIONS

Al – First class
A.A.R. – Against all risks
a/c – Account
A/V – Ad Valorem
Agt.– Agent
A.P. – Airport
ATA–American Trucking Associations or Air Transport Association.
Atl. – Atlantic
A.W. – All water

B.B. –Break bulk
B/L – Bill of lading
BMC – Bureau of Motor Carriers (ICC)

C.A.– Claim agent
C.A.B.–Civil Aeronautics Board
Cap– Capacity
Chg. – Charge
C.I.F. – Cost, insurance and freight
Cl.– Claim
C.P.C. & N.– Certificate of Public Convenience and Necessity

Doc. – Document

Exp. – Export

F.A.– Freight astray or freight agent
F.F.– Freight forwarder
F.B. – Freight bill
F.O.B. –Free on board
Frt.– Freight

G.F.A. – General freight agent
G.V.W. – Gross vehicle weight

I.B.– Inbound
ICC– Interstate Commerce Commission
Ins. – Insurance
I.R.C. – Irregular (Motor) Route Carrier
I.T.– In transit

Jt. R.– Joint rate

K.D. – Knocked down

L & D –Loss and damage
LTL– Less than truckload
M.C. Act– Motor Carrier Act
M.F.– Motor freight
Mty – Empty
N.M.F.C. – National Motor Freight Classification
O/C – Overcharge
O.R.D. – Owner's risk of damage
Pkg. – Package
P.U. & D.– Pickup and delivery
Rte.–Route
Shtg.– Shortage
T & R – Truck and rail
T.L. – Truckload
Trf.–Tariff
U/C – Undercharge
Z – Zone
W.B.– Waybill

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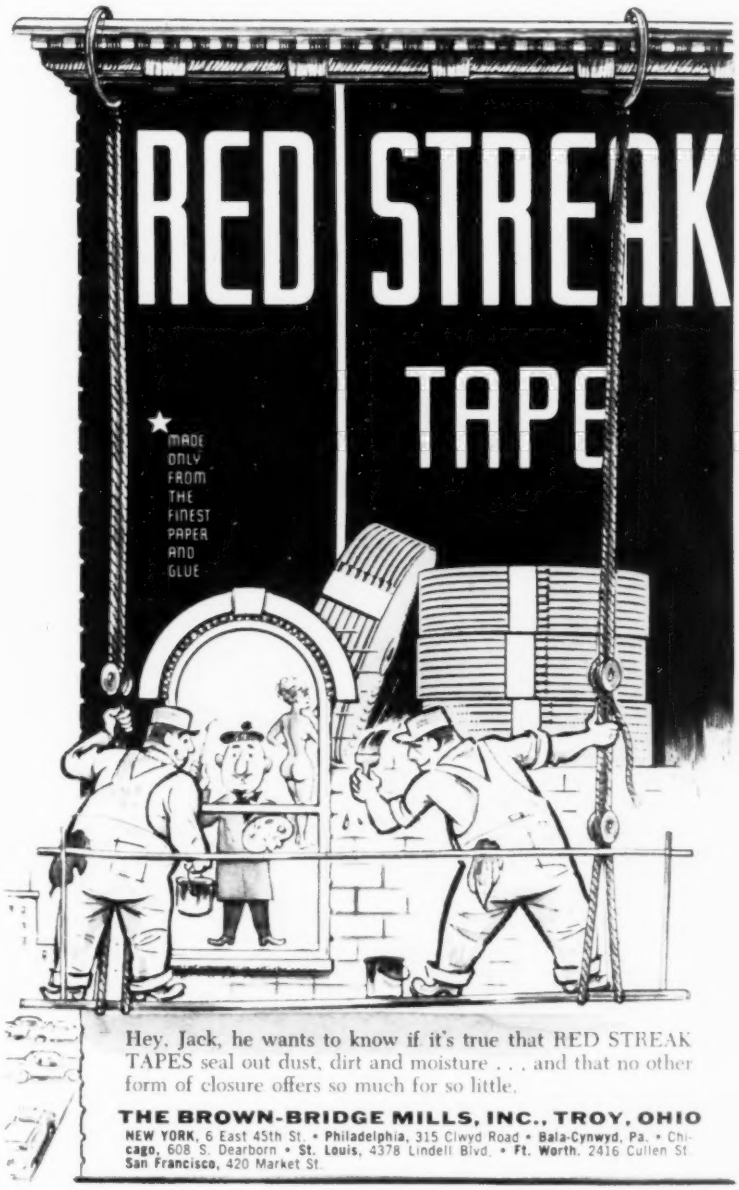

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PACKAGING GLOSSARY

Adhesion— The process of enabling two contiguous surfaces to be bonded together, initiated by the formation of a fluid or semi-fluid interface between them that later changes to a solid or semi-solid interface across which affinities develop that give a bond strong enough for the end use.

Adhesives — A material that initially is a fluid or is capable of being rendered fluid, to be spread on one or both surfaces to be bonded together for the purpose of forming a fluid or semi-fluid bridge or interface between them that later changes to a solid or semi-solid interface.

Anchoring — The securing of an item to the base of a shipping container by means of bolts, tie rods, tie down timbers, steel strapping, etc., to prevent movement.

Backing — A paper cloth or other material used as a surfacing sheet for a cushion. Backing provides additional strength or water resistance or better appearance.

Bag — A preformed container made of a flexible material, generally enclosed on all sides except one that forms an opening which may or may not be sealed after filling.

Bag, Automatic Self-Opening — A bag which can be opened with a quick flip of the wrist. The pressure of the air entering the top of the bag automatically opens the bottom.

Bag, Baler — A paper or textile shipping sack used for packaging or shipping a number of small filled bags or sacks.

Bag, Combination — A bag, not laminated, composed of two or more materials.

Bag, Double — One bag lined inside another to make bag with two walls.

Bag, Heat Sealed — A bag whose adjoining surfaces may be bonded by heat sealing.

Bag, Insulated — A paper bag insulat from the variations in temperatures through the use of asphalt-laminated duplex paper as one of the walls of a duplex bag.

Bag, Self-Sealing — A bag having a pressure sensitive or self-adhering adhesive on its inner closure-surfaces.

Bag, Valve — A multiwall paper sack with a factory-closed top and bottom with the exception of a small triangular opening, called a valve, in the upper corner.

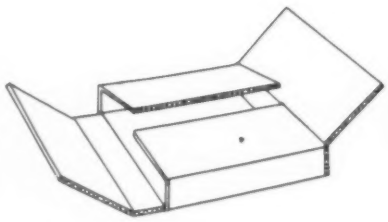
Bale — Compressible articles or materials assembled in a shaped unit and bound with cord or metal ties under tension.

Barrel, Slack — A wooden barrel used for the shipment and storage of powders, semi-solids, and solids. Not watertight by construction.

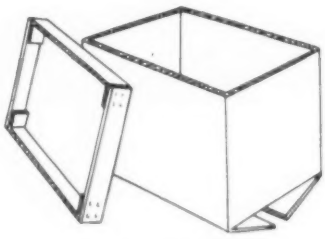
Barrel, Tight — A liquid-tight wooden barrel generally used for the storage and shipment of liquids, occasionally semi-solids and heavy solids.

Base — The bottom portion of a container.

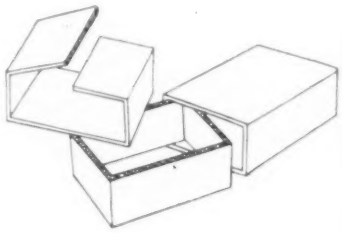
Board — A heavy weight thick sheet of paper or other fibre substance. Boards for packaging uses may be made from kraft, kraft mixed with waste paper, manila, fibre, bristols, news, coated and linen stock, etc.



One piece special folder



Half slotted container



Triple slide box

Drawings courtesy Stone Container

Board, Face – The material used for the faces of a box.

Board, Greaseproof – Any paperboard on which has been pasted greaseproof paper such as glassine, or a board that has been treated to render it grease and oil-resistant.

Board, Kraft-Linen – Paperboard with a top liner of sulphate pulp which gives exceptional strength.

Board, Laminated – Paperboard that is laminated either by:
1 – combining two or more plies of board, or
2 – combining to it on either one or two sides a thin paper with specific properties.

Board, Manila – A paperboard used largely for folding boxes and where packaging is required for foods.

Board, Stencil – Stiff, oiled kraft board, to be perforated to produce lettering and numbers as desired.

Board, V – Solid or corrugated fibreboard made to possess properties as defined by U. S. government specifications.

Box, Cleated Fibreboard – A rigid container having five or six cleated panel faces which are made of solid or corrugated fibreboard.

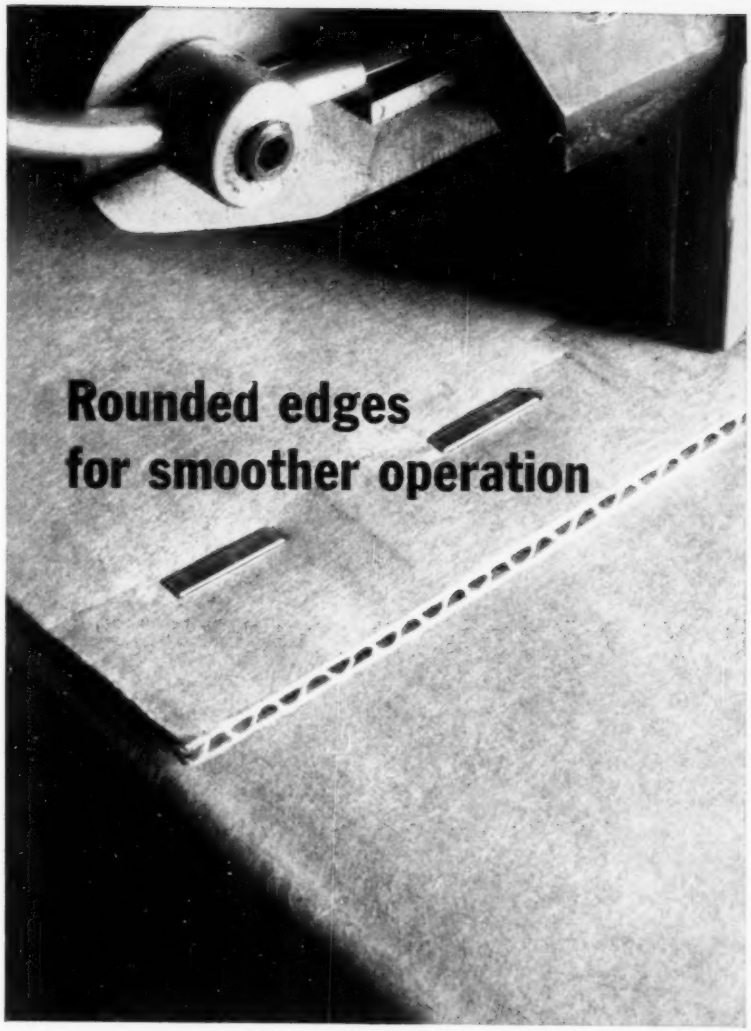
Box, Cleated Plywood – The same as a cleated fibreboard box, except that the cleats are made of plywood.

Box, Cleated Wood – A nailed wood box having cleats inside or outside on one or more sides and/or ends, to reinforce the box and to increase the nailing area.

Box, Corrugated and Solid Fibre – A rectangular, three-dimensional shipping container, made either of solid fibreboard or of corrugated fibreboard. Distinguished from carton, which is not designed as an outer shipping container.

Box, Folding Paper – A paper box called a carton in domestic commerce, made of bending grade paperboard having a thickness between 0.016 and 0.045 inches, delivered by box manufacturers to the user in flat or collapsed body-form ready for mechanical or hand setup, and suitable for a package weighing not more than 10 lbs.

Box, lock corner – A wooden box in which the side- and end-members



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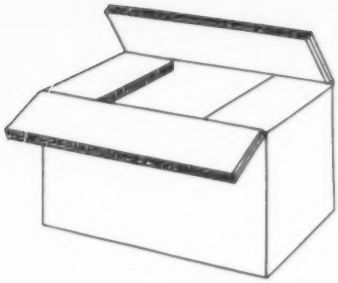


are joined together by a series of tenons called "locks" which interlock and are held together by gluing. The top and bottom are usually fastened by nailing.

Box, Nailed Wood – A box constructed of wood, assembled by fastening top, sides and bottom to the ends with nails.

legs to allow entry of truck forks or low-lift equipment. May be collapsible or equipped with interlocking lugs to facilitate safe stacking.

Box, Slide – A set-up paper box consisting of a shell into which the base is slidingly inserted in a horizontal direction at the side or end, much like a drawer in a piece of furniture.

Box, Telescope – A box composed of two similarly shaped sections which form a base and lid. The length and width of the lid are slightly larger than those of the base so that the lid fits over the base.

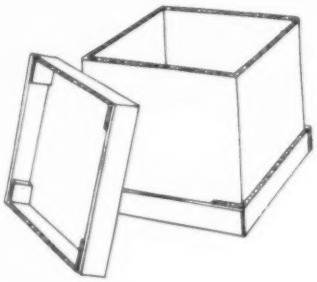
Box, Type Corner – A corner formed of four edge-members so arranged that two of them are nailed with their wide faces together while the other two form one edge of the crate

caliper and test to be used in the manufacture of paperboard boxes. The following grades are commonly used: news, filled news, strip, straw, jute, patent coated, clay coated. Specifications for boxboard are designated by kind, finish, caliper, dimensions, regular number and count. Some of these specifications are:

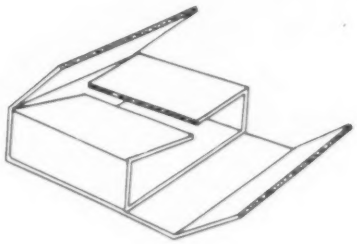
1 – Regular number – the quantity of standard size sheets required to make a bundle of 50 lbs.

2 – Count – The number of sheets of boxboard required to make a bundle of 50 lbs. where the dimensions are other than basic.

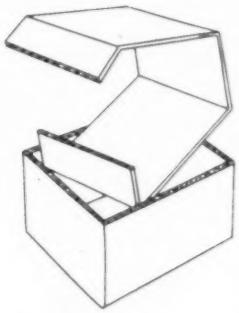
3 – Caliper – The thickness of board expressed in thousandths of an inch. 4 – The four standard finishes are designated by numbers 1 to 4, from the lowest to the highest. The degree of



Double cover box



Two piece folder



Single lined slide

Box, Plywood – A box consisting of single-piece plywood sides, top, bottom and ends, nailed to cleats.

Box, Set-Up – A specific class of carton, three-dimensional and rigid in finished, e.g., set-up form. Basically fabricated from paper and paperboard.

Box, Set-Up Drop-End – A set-up paper box in which the side of the base is made in two parts, one hinged to the other, or in which an end is hinged to the bottom.

Box, Set-Up Form – Any loose or attached piece of boxboard placed within base or lid; plain or scored, set-up or bended only, covered or not covered.

Box, Skid – Metal or wood affixed to a platform raised on side members or

and are nailed to the side grain of the first two.

Box, Wirebound – A shipping container whose sides, top and bottom are of rotary cut lumber, sliced lumber, resawn lumber, fibreboard or combinations thereof, usually ⅜ inch or less in thickness, fastened to cleats and to each other by means of binding wire and staples.

Box, Linered End – Reinforced with liners stapled across the grain, used in wirebound boxes of all kinds.

Box, Plain End – Without reinforcing of any kind.

Box, Wirebound, All-bound – A type of wirebound box with ends as part of the "flat" or blank. In ordinary wirebound boxes, ends are delivered separately as shooks.

Boxboard – Paper board of sufficient

finish is regulated by the pressure exerted on the calendars under which the board passes. The pressure determines the density of the sheet. The resulting surface is incidental, but gains in smoothness as pressure is increased. No. 1 – Light pressure; No. 2 – Medium pressure; No. 3 – Heavy pressure; No. 4 – Heaviest pressure.

Boxboard Dimensions – In stating dimensions of a sheet, the width in inches is given first and the length next. Width is the measurement across the machine, i.e., space between slitter knives. Length is always the measurement in the direction of the grain, i.e., space between knife cut-off.

Bracing – The process of supporting units within a package to prevent damage through movement, and/or to distribute the weight on all faces of the container.

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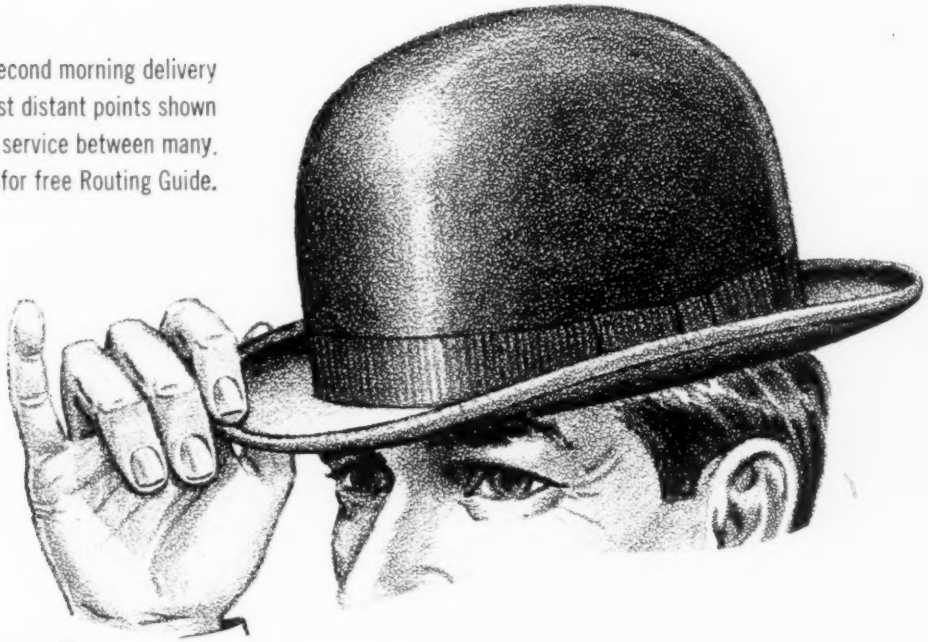

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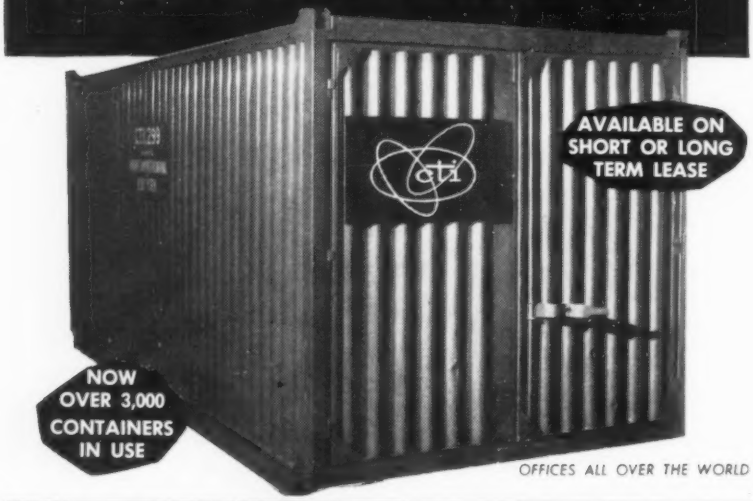

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Carton, Folding – A general class of paperboard container, distinct from set-up boxes and corrugated and solid fibre boxes.

Carton, Special Order—A carton which is manufactured in accordance with customers' specifications.

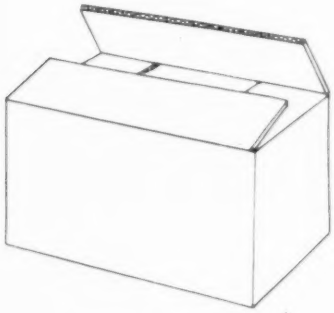
Carton, Stock – A carton which is manufactured in advance of sale, usually in large quantities, and sold in smaller quantities, usually to retailers.

Certificate— A statement or certification, either affixed to or marked on a container, showing information concerning the container and/or its contents.

Certificate, Box Maker's – The certificate shoiwng the manufacturer's name and address, together with the test figure, printed on each corrugated and solid fibre shipping container.

Certificate, Sack Maker's – The certificate printed on the outside of a paper shipping sack to the effect that the sack is guaranteed by the sack maker to conform to the specifications of Rule 40, Section (c) of the Uniform Freight Classification.

Case Mark – Identification and/or shipping information on a shipping container.



Regular slotted container

Case, Skid-type—Shipping case raised on permanent side members to allow entry of truck forks or lowlift equipment.

Case, Shipping – An outer container made of corrugated or solid fibreboard or wood, usually for shipment of multiple unit packages or bundles.

Cell – A small compartment, usually closed on four sides with open ends and serving to block, brace, or cushion an item or to separate items within a container, such as a cell formed by

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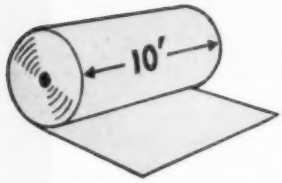

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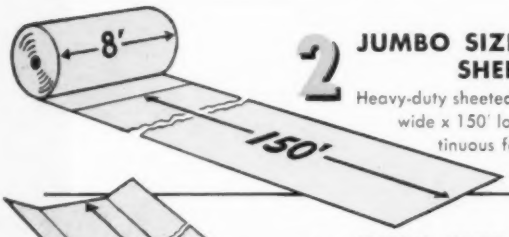

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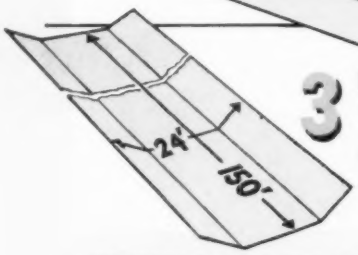
Heavy-duty sheeted papers up to 96" wide x 150' long, wound in continuous feed-off rolls.



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a set of paperboard partitions. May be formed by paperboard, solid fibreboard, corrugated paperboard or wood.

Cleats – Pieces of material, such as wood or metal, attached to a structural body to secure, strengthen, furnish a grip, etc.

Clinch – (1) After nailing, to bend or turn over the protruding points so that nails will hold fast. (2) To bend or crimp an edge of plate about another part and press it down firmly so as to fasten the two together.

Coating – (noun) A layer or covering of a substance which has been

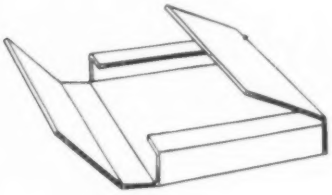
Full flap slotted box

deposited while in fluid form, and dried, united with or adhered to the surface of a material or product.

Coating, Dry – (D of P) The process of applying an adhesive to paper by means of a roll or brush and immediately running it through a box in which the finely divided pigment is suspended.

Coating, Fibre-drum – A surface covering applied to interior or exterior of drum by spraying, brushing or dipping.

Code Marking Machine – An automatic machine for marking a code identification on a package or object.



One piece folder

Coil – (1) A continuous length of material such as wire, strapping, tape or spirally in which form it may or may not require a core of reel for its support. (2) A spiral, such as a coil spring, an electric coil, etc.

Cold Resistance – The ability to withstand the effects of below-freezing temperatures. Cold resistance properties include resistance to cold cracking, low-temperature flexibility, etc.

Containerboard – A general term designating (1) corrugated or solid fibreboard shipping containerboard and (2) any board made for the use of corrugated or solid fibreboard container manufacturers. Containerboard is usually shipped in rolls and its basis weight expressed in pounds per thousand square feet.

Corrosion Preventive–Any agent, such as oil, plastic, paint, wrap or other surface treatment of metals, whose primary function is to prevent, inhibit, or deter corrosion.

Corrosion Preventive Compound – A compound applied to metal surfaces to prevent, inhibit, or deter rust or corrosion.

Corrugated – Having a series of corrugations alternating as ridges and furrows. Sheet metals are corrugated to add rigidity or to improve appearance. Have a ribbed effect.

Corrugated Board – Usually a 9-point board after it has passed through a corrugating machine. (D of P.)

Corrugated Board, Double-faced– Consists of a corrugated inner member firmly glued between two flat facings or liners, and is used in the manufacture of corrugated fibreboard boxes and products.

Corrugated Fibre Boxes–Corrugated fibre shipping containers.

Corrugating Liner Material – Paperboard, commonly called linerboard or liner used on either or both sides of corrugating medium in the manufacture of corrugated board.

Corrugating Material–The elemental part of corrugated paper or board, usually .009″ thick.

Crate – A rigid shipping container of framed open construction, joined together with nails, bolts or other equivalent methods of fastening.

Crease – (1) Line or mark made by folding any pliable material, hence a similar mark, however produced. (2) (verb) To form a crease in a sheet or any material, usually for the purpose of providing a bending line.

Cushion – A pad made of an envelope packed with resilient, soft material.

Cushioning – The protection from physical damage afforded to an item by placing about its outer surfaces materials that have been designed to absorb the shock or reactions caused by external forces.

Dangerous Article –For transportation by common carrier, dangerous articles (regulatory products) require shipping containers made according to Interstate COMMERCE Commission cifications.

Desiccant – A dehydrating agent. A material which will absorb moisture by physical or chemical means.

Drop-end – A set-up paper box in which the end of base is made in two parts, one hinged to the other, or in which end is hinged to bottom, so that it can bend down.

Drum– A cylindrical shipping container having straight sides and flat or bumped ends, designed for storage and shipment as an unsupported outer package that may be shipped without boxing or crating. May be made of metal or of plywood or fibre with wooden, metal or fibre ends. Drums are also made of rubber and polyethylene.

Dry Finish – A finish obtained on paperboard that has not been dampened before being put through calendar rolls. Paperboard so treated has a surface which is not as dense nor

as smooth as the surface on water-finished stock.

Export processing – Special protective packaging prior to foreign shipment to preserve parts or products from ocean hazards or other extreme climatic hazards at destination.

Fastener – Any device which serves to secure one part against another. Examples: nail, screw, staple, strapping, stitch, adhesive, etc.

Fibreboard, solid–Heavy, solid board, usually 3- or 4-ply, made of two liners and a filler of chipboard, used in shipping containers. Ranges from 0.060 to 0.140 inch in thickness. Tubular shapes convolutely wound are not classed as solid fibreboard.

Filler–Loose strips of boxboard, plain or scored, used in a package to fill spaces not occupied by commodities.

Flute – A single undulation of the inner portion (corrugating material) of corrugated fibreboard.

Impact strength – Resistance of a material or product to shocks such as from dropping and hard blows.

Ink, Marking – Ink which is specially designed to be used with a marking device for the application of marks to containers or parts.

Jute – A containerboard used in the production of fibreboard boxes. It is manufactured of wood-pulp and waste papers, is water resistant, and has bending qualities.

Kraft – A chemical wood pulp made by the sulphate process or paper or paperboard made from such pulp. It is brown in color and is the strongest pulp product made from wood.

Label, heat-seal – A label made of paper or other material coated on one side with a heat-seal coating, usually a thermoplastic resin, and characteristically difficult to remove after application.

Label, pressure-sensitive – Labels and seals, usually of paper, backed with pressure-sensitive adhesive. Used for identification and self-service selling of merchandise.

Labeler, spray type – A labeling machine in which adhesive is sprayed on label automatically prior to positioning label on bottle. A sponge rubber pad then smooths label in place.

Machine, stencil – Machine for apply-

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ing adhesive to the edges of paper to be used in the wrapping machine in set-up paper box manufacture.

Marking (of metal containers) – Both regulatory and non-regulatory metal containers are required to carry specified markings. Rule 40 containers

Package engineering – The activity whereby scientific and engineering principles are applied to solving the problems of functional design, formation, filling, closing and/or preparation for shipment of containers regardless of type or kind of the product enclosed.

Package, primary—A container which directly holds the product for sale, such as: a can, bottle, jar, collapsible tube, carton, drum, etc.

Packaging, industrial – A loose term referring to one aspect of packaging in which the goods are packaged for industrial buyers, in contrast to consumer buyers, but also often includes the packaging of durable consumer goods.

Packaging material – Any substance used in or with a package, wrapping, container, closure, liner or coating, or a composition of matter derived therefrom.

Packaging, materials handling – The coordination and integration of all operations and equipment necessary to package a product and deliver it to the coosumer.

Packaging, military – The preparation of goods for shipment for the Armed Services in accordance with prescribed Military Packaging Specifications.

Packaging, protective – The functional aspect of packaging in contrast to the merchandising aspect. Protective packaging safeguards the contents from deterioration, damage or loss between the time the package is closed and the time the user opens the package.

Paper, gummed—Paper coated with dextrin adhesive or a fish or animal glue. The dry adhesive-coating is activated by moistening with water. The most common applications in packaging are for labels, and for sealing and reinforcing tape. For the latter application, kraft paper is used almost exclusively.

Paper, VCI – A paper containing a volatile corrosion inhibitor.

Regulatory products – Products that are designated as dangerous articles by Interstate Commerce Commission and may be shipped only when their packaging, packing and labeling comply with the regulations promulgated by I.C.C.

Rule 40 – Section of the Consolidated and the Uniform Freight Classifications covering specifications of construction of containers other than corrugated or solid fibre boxes.

Rule 41 – Section of the Consolidated and the Uniform Freight Classifications governing bursting strength, maximum dimensions, maximum gross weight and other requirements of solid and corrugated fibreboard boxes and fibre drums, for rail freight shipment of non-dangerous articles.

Rule 49 – Section of the Consolidated and the Uniform Freight Classifications governing permits for test shipments of containers that vary from the specifications of Rules 40 and 41.

Stapling machine, strap – A machine to staple over-strap on heavy or export cases, or for draping strapping in freight cars preparatory to loading.

Stencil – To letter or mark a design by means of ink or paint applied through a cut-out stencil board.

Stencil machine – Machine for applying adhesive to edges of paper to be used in the wrapping machine in set-up paper box industry.

Strapping tools – Stretchers (tensioning) and sealers (crimping) are the basic tools to apply strapping. Flat strapping is secured by a flat metal seal which is crimped or cut into a permanent joint.

Tape, cellulose acetate – A translucent, pressure-sensitive adhesive tape of cellulose acetate laminated to thin, strong tissue. Ineffective on oily surfaces, but not affected by oil after application.

Tape, gummed – Any tape which has an adhesive coating.

Tape, gummed cloth – A gummed tape which may be clay-filled, fiber-filled or cloth combined with paper.

Tape, gummed sealing – A kraft paper in a wide range of basis weights, usually 35, 60 and 90 pounds or heavier (24" x 36" – 500) gummed on one side and slit into rolls of various widths.

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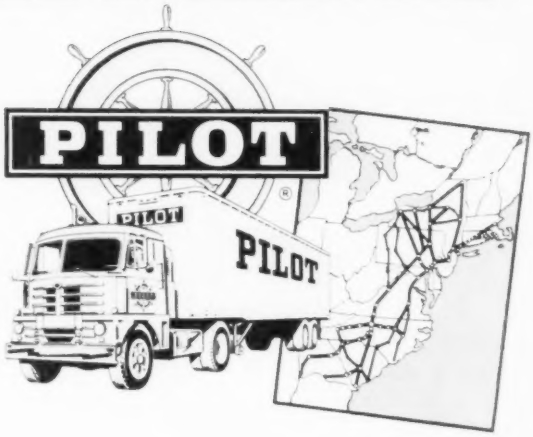
He'll be thinking "SERVICE" . . . with every turn of the wheel . . . every mile of the way. From Georgia to the Canadian border this is the Pilot Frame of Mind. That's why shippers like the big attention Pilot gives even the smallest shipments. Yes, the big thing at Pilot is the way everybody goes all the way for "SERVICE." Call today.



Pilot Freight Carriers

INCORPORATED

GENERAL OFFICES — WINSTON-SALEM, N. C.

ALBANY, N. Y. ASHEVILLE, N. C. ATLANTA, GA. AUGUSTA, GA. BALTIMORE, MD. BINGHAMTON, N. Y. BUFFALO, N. Y. CHARLESTON, S. C. CHARLOTTE, N. C. COLUMBIA, S. C. DURHAM, N. C. GREENVILLE, S. C. HICKORY, N. C. LAURINBURG, N. C. MOONACHIE, N. J. NEW YORK, N. Y. PHILADELPHIA, PA. ROCHESTER, N. Y. SAVANNAH, GA. SHELBY, N. C. SPARTANBURG, S. C. SYRACUSE, N. Y. UTICA, N. Y. WINSTON-SALEM, N. C.

BREAK THAT

If you regularly address 5 or more cartons per shipment, you can make important savings and avoid costly errors by addressing your multiple shipments with

STEN • C • LABLS*

As a by-product of office procedure

You can prepare STEN-C-LABLS at the same time as your invoice, order, bill of lading or shipping papers—whatever your procedure or equipment—manual or electric typewriters, electric billing or accounting machines, slave machines or various IDP systems.

Imprinting direct to PANL-LABL on carton

Your shipping department makes unlimited impressions with STEN-C-LABL Applicator direct to PANL-LABL printed on carton eliminating expensive, time-consuming gummed labels. All addressing errors, mis-shipments and repetitive writing are avoided.

There's a* STEN•C•LABL *to fit every multiple shipping need*

. . . for imprinting on PANL-LABLS, gummed labels or tags . . . whatever your requirements.

You might be shocked . . .

. . . to find how antequated and outdated your present method of addressing multiple shipments actually is. *Five minutes of your time* in checking your multiple shipping procedures may save you thousands of dollars!

Send for **FREE BROCHURE** *giving full details!*

STEN•C•LABL, INC.

Dept. SM-7, 1821 University Ave., St. Paul 4, Minn.

Please send me FREE BROCHURE on saving with STEN-C-LABLS.

Name_____

Company_____

Address_____

City_____ State_____

*Registered U.S. Pat. Off. The term STEN-C-LABL is the trademark and exclusive property of STEN-C-LABL, Inc. All STEN-C-LABLS are manufactured exclusively by STEN-C-LABL, Inc., St. Paul, Minn. under U.S. Pat. No. 2,771,026. Other patents pending.

Tape, gummed sisal – An adhesive-coated tape which contains sisal fibers of unusual strength embedded in asphaltic or non-asphaltic laminants between two sheets of kraft. Used for manufacturer's joint or closure of corrugated fibre boxes.

Tape, kraft – Brown kraft paper gummed tape, coated one side with one of the various animal or vegetable glues. Requires moistening with water at time of use.

Tape, pressure sensitive – A type of tape that is coated with an adhesive which adheres under pressure and does not require moistening, heat, or solvent for activation.

Tape, sealing – A tape, usually cloth, paper, film, etc., coated with either gum or pressure-sensitive adhesive, used for sealing packages and containers.

Tape, shipping-sack – A heavy-duty creped-kraft tape used for binding over the ends of paper multiwall shipping sacks before or after closures are sewn with cotton thread.

Tare weight – The weight of a container or packaging materials. When a container is filled or partially filled, the weight of the contents are termed the net weight, the weight of the container is the tare weight. The net weight plus the tare weight equals the gross weight.

Test, drop – A test in which filled containers are dropped from controlled heights by means of a special device to insure uniformity of drop.

Test, drum – Rough-handling test for filled shipping containers, inside a hexagonal revolving drum of either 3 x 7 or 4 foot diameter.

Test, Elmendorf tear – A method of testing paper or board for resistance to tear, by which the weight necessary to tear one or several layers of paper or board under test is measured.

Test, flat crush – Measuring the force required to crush the corrugations in a sheet of fibreboard.

Test, folding endurance – A test to evaluate the endurance of paper or film to folding. Frequently done on a schopper machine.

Test, hydrostatic pressure – Test required by I.C.C. specifications on metal drums for the shipment of dangerous or "regulatory" products.

Test, incline impact (Conbur test) – Test simulating rough handling of freight cars. Uses a dolly rolling down inclined rails, with stoppage by impact against a solid wall.

Test, leakage – A metal container production-test spelled out in each I.C.C. specification. Each I.C.C. container is required to be tested for leakage with seams under water or covered with soap suds or heavy oil.

Test, Mullen or Cady – The Mullen or Cady test is widely used on paper and film packaging materials to determine the relative bursting strength.

Test, puncture – The General Electric puncture test, named for its inventor, the late R. L. Beach. Developed to evaluate the puncture resistance and score line strength of boxes.

Test, ring-stiffness – Measures the resistance to rupture by tension. Applied to metals, coatings, paper and paperboard. In paper and paperboard, the weight in kilograms required to break a strip of the material tested is recorded.

Test, vibration – A procedure for determining if a container, together with its interior packing and means of closure, can protect the contents from vibration in a machine designed to simulate the vibration in moving vehicles.

VPI – Vapor phase inhibitor (of corrosion) – Same as Volatile corrosion inhibitor.

Water Finish – A high finish produced on paper or paperboard passing through a calendar stack by spraying water on one or both sides. The resulting surface is hard and glossy.

Packaging problems? Looking for a new procedure or improved material which will boost packaging at your firm to a new high in efficiency? Every month Shipping Management-National Hi-Way Shipper spotlights packaging operations at outstanding companies around the nation—detailing the "how" of their procedures, as well as the "why" and "what."

HELPS FOR BETTER SHIPPING

TAPING PRODUCTION UP, taping costs down with this new gummed tape. With special new-formula glue, check 1.

GLOBAL AIR FREIGHT service is provided by this airline—the world's largest. Check 2 for details.

SPEED AIR CARGO AND CLERICAL WORK with this airline. Less forms to fill out, simpler documentation. Check 3.

HIGH SPEED, uninterrupted stitching with this brand of stitching wire. Smooth, frictionless flow. Comes in 5, 10, 25 and 50 pound coils. Check 4.

INTERNATIONAL CARGO HEADACHE? This forwarder may have the answer. Just check 5 for further details.

CARTONS CAN'T TEAR or open in transit if you use this reinforced gummed sealing tape. Check 6 for info.

STITCHING WIRE AND MACHINES give you secure closure at low cost. Frictionless, throw-away spools with uniform, uninterrupted flow. Check 7.

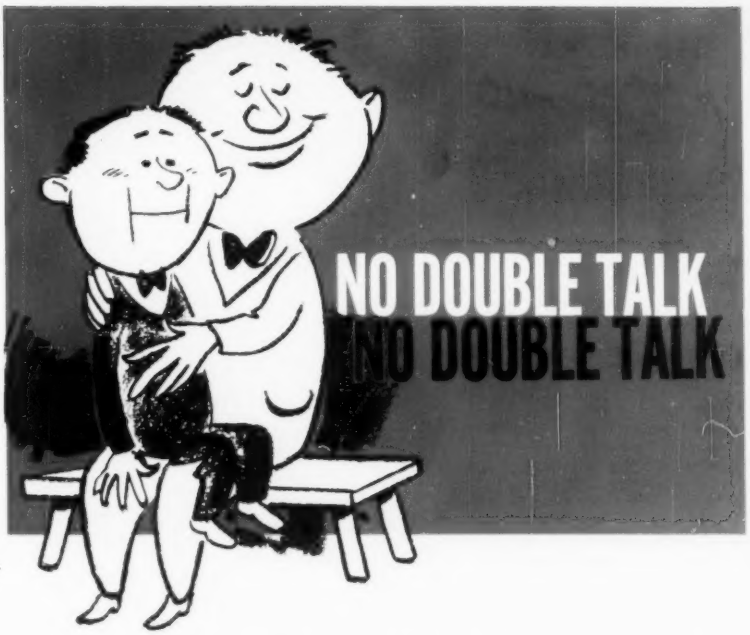
TOUCH-STENCILING eliminates stencil boards, rubber stamps and label typing. FREE booklet on this hand duplicator if you check 8.

ELIMINATE TRACING PROBLEMS with this carrier. Scheduled on line and off line. Check 9.

ECONOMICAL ASPHALT PAVED highways get you big roads—plus. Further data? Check 10.

CONTAINER LEASING service for use with general cargo, household goods. Check 11.

FREE BOOKLETS ON PACKING, SHIPPING. They tell you what to expect from wirebound boxes and how to save money using them. Check 12.



We Mean What We Say . . . and We Say What We Mean

There's nothing like knowing exactly where you stand when you have a critical freight shipment. That's why we at Texas-Arizona Motor Freight believe in laying our cards on the table openly and honestly:

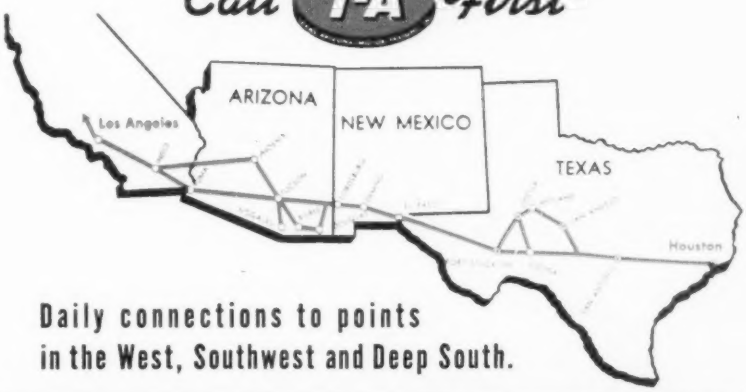
If we promise something —
you can count on our living up to it.

If we say, "Maybe" —
there's a 50/50 chance we'll come through.

If we say, "Impossible" —
we'll still do our dead-level best.

That's the kind of plain talk our customers like.

Call T-A First



Daily connections to points in the West, Southwest and Deep South.

If T-A can't serve you, be sure you use a
RESPONSIBLE, REGULATED MOTOR COMMON CARRIER.

TEXAS-ARIZONA MOTOR FREIGHT, INC.

ONLY LUFTHANSA offers NONSTOP All Cargo Flights to Germany...."Heart" of Europe!

SUPERCARGO

Service to everywhere via Frankfurt

Lufthansa is your answer to prompt delivery in Europe. From centrally located Frankfurt there are fast and frequent connections to all Continental points, the Near and Middle East.

Daily service from New York plus nonstop all cargo flights every Wednesday and Friday at 10 P.M. Also flights from Chicago and Montreal.

LUFTHANSA SUPERCARGO has 111,111 lbs. of lift capacity to Europe every week...Make LUFTHANSA your No. "1" choice

CALL YOUR FORWARDER or

LUFTHANSA
GERMAN AIRLINES 555 Fifth Avenue, New York 17, N.Y. MU 2-9100. Offices in principal cities of U. S. and Canada

SERVING THE EASTERN SEABOARD. Reliable, speedy, safe motor freight service. Check 13.

A PROTECTION, not just a wrapping. This asphalt coated and reinforced paper comes in extra-wide widths. Check 14.

BREAK BOTTLENECKS in addressing multiple shipments by typing stencil on typewriter and then printing with special applicator directly carton or label. Check 15.

SHIPPING PROBLEMS vanish when this experienced carrier handles your freight. Check 16 for info.

ADDRESS SHIPMENTS THREE TIMES FASTER with this new method. You roll on the address like rolling a rubber stamp. Self-contained ink roller holds enough ink to stencil all day. Check 17 for info.

MARKS METAL or a variety of other materials. Efficient, easy to use marking device. Check 18 for info.

SAFE, SPEEDY air shipments are the specialty of this air carrier. For details, check 19.

DEPENDABLE, FAST motor freight service is yours with this carrier. Check 20 for details.

SAFER, FASTER SHIPPING when you make stencils with this company's machine. FREE pamphlet is yours for checking 21.

DELIVERY TIME CUT on LTL, truckload shipments through Kansas City with this line's new terminal. Check 22.

FAST SERVICE on LTL shipments and second morning deliveries, Great Lakes to Gulf. Check 23 for info.

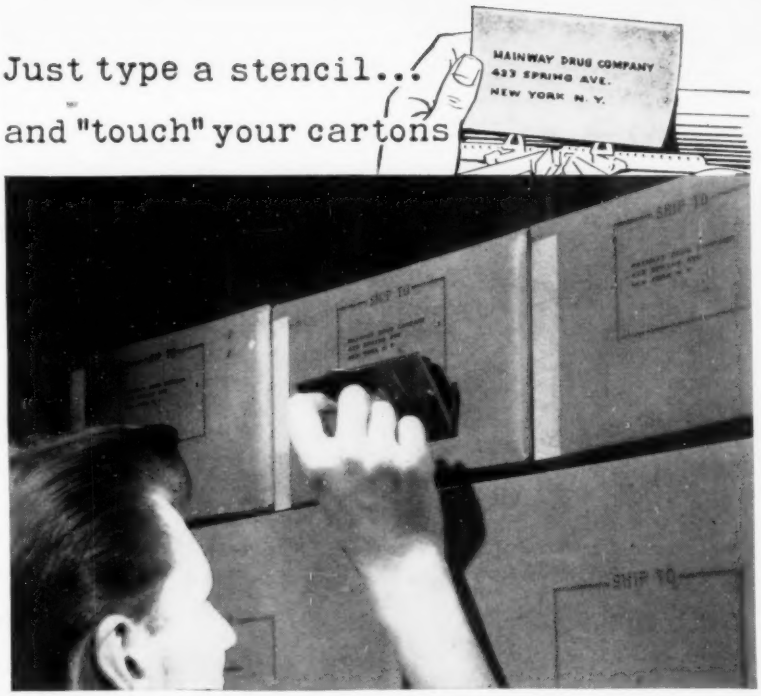
ANTI-SKID PLATE prevents skidding, slipping or shifting of crates in freight car or truck. Anchors stacked crates. Information by checking 24.

CUT PARCEL MAILING COSTS with a postage meter. No calculating how many stamps you need. No licking and sticking. One stamp, one motion. Check 25.

CASE NUMBERER. Large, readable indelible numbers printed on wood, corrugated and other shipping papers. Light weight, easy action. Check 26.

Just type a stencil...

and "touch" your cartons



Fastest, easiest way to address your multiple carton shipments

Weber "Touch-Stenciling" replaces labels and stencils boards. It's fast, neat and systematic

Want a quick, easy way to address shipping cartons? Then try this new Weber "Touch-Stenciling" system —means no more stencilboards, rubber stamps or label typing.

Shipping cartons, pre-printed with "Ship-To" label frames, are addressed by simply printing the customer's name and address within the frames with a Web-O-Print hand duplicator. It prints from a stencil that you can type or handwrite. Just a "touch" on the carton leaves a clear, sharp, permanent print.

With a smooth, one-hand motion 40 to 50 cartons can be addressed in a minute. After the shipment is addressed the stencil is thrown away, saving filing time and space.

Weber stencils can be prepared as part of your order-invoice writing procedure to save time and eliminate shipping errors. They can be cut as a by-product of forms typing on manual or electric typewriters, automatic accounting machines and other modern office equipment.

FREE BOOKLET TELLS SAVINGS STORY!
Write today for new booklet—How to Save Time and Money with "Assembly Line" Shipment Addressing.

Weber
MARKING SYSTEMS
Sales and Service in all principal cities

WEBER MARKING SYSTEMS, INC.
Dept. 23-F
Weber Industrial Park
Mount Prospect, Illinois

Send me your bulletin on "Assembly Line" Addressing Systems.

Company_____
Individual_____
Position_____
Address_____
City_____ Zone_____ State_____

NEWEST - FASTEST!
STENCILING METHOD

UNIVERSAL
ROLL A STENCIL
TRADE MARK

- THREE TIMES FASTER than brushing or spraying for production stenciling of cartons and boxes.
- MOST ECONOMICAL ROLLER METHOD. ROLL-A-STENCIL INK costs less than 1/3 the price of other roller inks. Available in black and 5 colors.
- PATENTED TWIN ROLLER DESIGN gives neat as print stenciled impressions in one fast stroke.
- 30 SECONDS TO INK special self contained ink roller. One inking lasts up to 1000 stenciled impressions.

ROLL-A-STENCIL is a proven dependable product . . . WRITE FOR COMPLETE INFORMATION.

UNIVERSAL FOUNTAIN BRUSH CO.
ST. PETERSBURG, FLORIDA

SIXTY YEARS OF EXPERIENCE in freight forwarding help this company give you the fastest service to both coasts. Cross-country offices. Check 27 for details.

SAVE MONEY AND TIME in labelling. Ungummed labels are economical, but glue pots are mssy. Increase your efficiency with this handy machine that applies the right amount of glue to each label. Ten-day FREE trial. Check 28.

SPEED UP LABEL PASTING more than 50% with this semi-automatic feed label paster. FREE literature, check 29.

CUT STENCILS WITH AIR POWER. This new attachment features push-button, air-operation, takes the work out of stencil cutting. Fits any of this company's machines. Check 30.

AUTOMATIC TACKERS end snags and costly tie-ups in the shipping room caused by clumsy label tacking methods. Use a one-hand tacker for better, faster, easier fastening. Check 31.

THREE TIMES FASTER, three times stronger than other sealing methods. this gummed tape comes in three types for every need. Check 32.

COMPLETE WAREHOUSING and shipping service. Years of experience, highly dependable. Insurance. Check 33.

FAST, DEPENDABLE all-water service to the Near East is the specialty of this steamship line. Check 34.

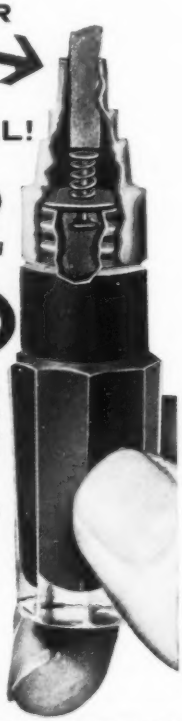
MIDWEST TO KNOXVILLE, Eastern Tennessee, Virginia and the Carolinas. Second morning delivery. Direct, through service. Check 35.

FASTER, SAFER, MORE DEPENDABLE. Get one-carrier direct trucking service coast to coast. One-carrier responsibility. Check 36.

FREE SAMPLE OFFER

MARK METAL OR ANY MATERIAL!
with the All New...
****FLASHDRY INK MARKER***
never dries up when left uncapped

*exclusive Wet-Wick, Valve Action**



*It's a brand-new concept . . . it's the ALL-NEW FLASHDRY INK MARKER that's always ready for use. Just push down and Presto! The ink is flowing again . . . no matter how long the cap has been off!

- Writes on *any* surface, including metal
- Contains more ink than other markers at higher prices!
- 8 brilliant colors
- Guaranteed 2-miles of writing
- Can't evaporate, completely leakproof
- 2 Miles of Marking
- Replaceable tips and inks mean greater economy

only **69c**

Available at all leading Dealers.

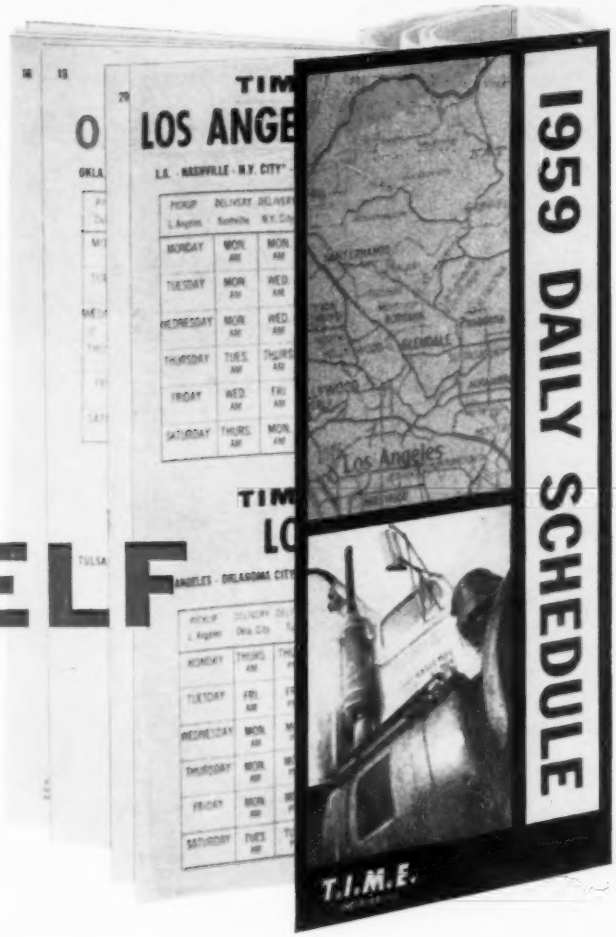
FOR FREE SAMPLE write:

FLASH MANUFACTURING COMPANY
169 MURRAY STREET, NEWARK 5, N. J.
In Canada: Canadian Dispensers, 54 Wellington W., Toronto, Canada

YOU WON'T WANT TO MISS THESE OUSTANDING FEATURES, ELSEWHERE IN THIS ISSUE:

- **Buyers' guide and directory on page 41.**
- **Outstanding new products of 1959 on page 37.**
- **A shippers' guide to motor freight carriers on page 8.**
- **A shippers' guide to air cargo carriers on page 13.**
- **Traffic-transportation terms on page 17.**
- **Traffic, transportation & packaging associations on page 16.**

ALL BY ITSELF



...and now BRAND-NEW from cover to cover!

Brand-new for 1959, TIME's completely revised schedule will be the most important single traffic tool on your desk!

40 pages, crammed with day-by-day schedules to and from coast to coast cities in 35 states, make this schedule a *must* for everyone in traffic.

The TIME schedule eliminates all guess-work! The actual day of the week delivery is given for every pickup day of the week, no need for counting on fingers or figuring weekends . . .

TIME's new schedule — another part of

T.I.M.E.

INCORPORATED

General Offices: P. O. Box 1120, Lubbock, Texas

THE BIG STORY: *the way TIME does things!*

Terminals: Atlanta • Cincinnati • El Paso • Evansville • Harrison, Ark. • Hobbs • Humboldt • Joplin • Kansas City • Little Rock • Los Angeles • Lubbock • Memphis • Nashville • Oklahoma City • Paris, Tenn. • Phoenix • Springfield • St. Louis • Tucson • Tulsa

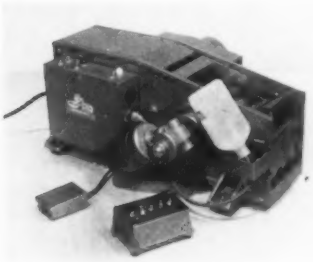
Call Stations: Jackson, Tenn., Ph. 2-1606 • Las Cruces, N. M., JA 6-2249 • Lamar, Mo., OV 2-4350 • Carthage, Mo., FL 8-4622 • Neosho, Mo., GL 1-2442

Sales Offices: Washington, D. C. — 112 Professional Bldg., Courthouse Sq., Arlington 1, Va., JA 7-6242 • New York — 521 5th Ave., New York City, OX 7-2189

OUTSTANDING NEW PRODUCTS 1959

electric tape dispenser

Want to lift the efficiency of your taping operation? A new electric gummed tape dispenser, developed by Derby Sealers, Incorporated, may be just what you've been looking for.



A member of the 300 *Series* of Derby dispensers, the device can deliver up to four predetermined lengths of tape. It may be operated either by a foot treadle or remote control switches; will dispense kraft or reinforced tape in lengths of up to 60" and widths of up to 4"; and features plug-in receptacles for accessories and a patented floating shear-type knife.

(check 71 on Help-O-Gram card)

tube marking device

The job: tube marking. The Ideal Stencil Machine Company's answer: a new *Mark V Volumark Automatic Stenciling* marking device. The machine reportedly may be adapted automatically to mark any kind of material—including rubber, plastic and glass—beside its primary task of marking metal tubing.

(check 72 on Help-O-Gram card)

postage meter

Horse-and-buggy parcel post procedures just won't do in the efficient, up-to-date shipping room. One solution: a Pitney-Bowes postage meter. With a meter you print postage as you need it—the exact amount for every package on a special gummed tape, delivered dry or moistened.

Advantages: you never run out of stamp denominations you need and eliminate the problem of postage loss, damage and misuse.

(check 73 on Help-O-Gram card)

pallet box

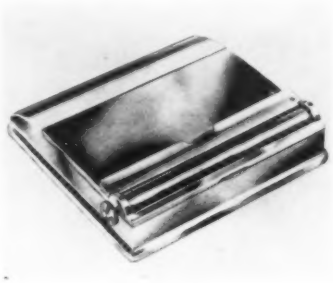
Easy to assemble or knock down, an improved standard industrial pallet box has been introduced by the General Box Company. The unit features a special restraining cleat on the pallet base. Purpose: to lend added resistance to bulging box sides.

The pallet box is available in four industry approved sizes; two pallet base sizes with sides available for both 23" and 30" inside depths; and load capacities of up to 1-1/2 tons.

(check 74 on Help-O-Gram card)

label gluer

A new label gluer, announced recently by the Glue-Fast Equipment Company, reportedly makes applying glue to large ungummed labels a snap.



Efficient, easy to clean, simple to maintain, the gluer is available in three sizes—6", 9" and 12".

(check 75 on Help-O-Gram card)

truck deck shield

Why let bad weather tie-up operations at your truck dock? It needn't, says Frommelt Industries, when you use an improved dock shield announced recently by the company.

Dubbed the *Snug Fit*, the shelter features a spring-tensioned upper frame supporting the top cover and a weighted front curtain, forming a snug, weatherproof hood around the top and sides of motor vehicles.

(check 76 on Help-O-Gram card)

first aid kit

Are you ready for an emergency? You're not—unless you have a well stocked first aid kit on hand.

Said to be ideal for emergency purposes is a new kit developed by the General Scientific Equipment Company.

And that's how we got our postage meter!

The boss, a shipper of the old school, came up the hard way and thinks everybody else should. Great believer in elbow grease, and positively pooh-poohed a postage meter. Until—

One rush Saturday, the flu hit our place and both our shippers didn't show — so the boss comes back off his golf course to get out the parcel post himself, personal. And brother — did he get fouled up! A week later we had our new postage meter. Now, the boss acts as if he invented it!

With a postage meter you can cut parcel mailing time in half. You print postage in any amount, as you need it, for any package, on special gummed tape delivered moistened or dry, as desired.

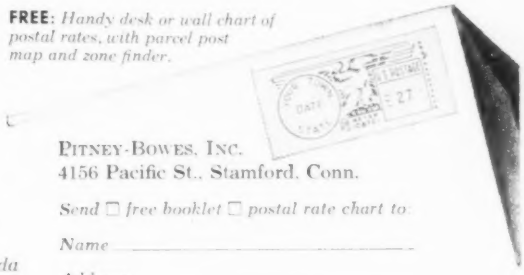
Modern metered parcel mailing saves time, money and postage.

You get rid of adhesive stamps and stamp sticking, no longer have to separate, select and moisten stamps, or keep them under lock and key. You always have the right stamp—and have a lot less money tied up in loose postage. *And most users find they actually save postage as well!*

The postoffice sets the meter for as much postage as you want to buy. Postage in the meter is protected at all times from loss, damage, misuse — and is automatically accounted for. Metered parcel post requires less processing — and time — in the postoffice; often catches earlier mail trains and planes. The dated meter stamp shows the date the parcel was mailed. *And the same meter will stamp and seal your letters!*

If you don't have a meter, call the nearest Pitney-Bowes office. Or send the coupon for a helpful free illustrated booklet entitled "Some Eye-Opening Facts about Parcel Post."

FREE: *Handy desk or wall chart of postal rates, with parcel post map and zone finder.*



PITNEY-BOWES

Postage Meter

Pitney-Bowes, Inc., Stamford, Conn. . . . leading maker of mailing machines . . . offices in 121 cities in U. S. and Canada

PITNEY-BOWES, INC.
4156 Pacific St., Stamford, Conn.

Send ☐ free booklet ☐ postal rate chart to

Name _____

Address _____

MARK IT FOR KEEPS
—AND BIG!

Marsh Stencils assure safer, faster shipping.
Write us for free booklet C-58.

MARSH STENCILS
MARSH STENCIL MACHINE CO.

NEW SPEED!

To Every Point In KANSAS

Rapid Routed LTL Shipments *Daily.*

Knaus
TRUCK LINES, INC.
2415 Independence Ave.
Kansas City, Missouri

In addition to providing a complete supply of key medicinals needed for the treatment of minor injuries, the kit has an index inside the case, showing the location of all items and furnishing directions for their use.
(Check 77 on Help-O-Gram card)

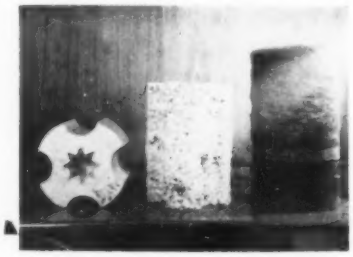
felt-tipped marker

Your marking problems will vanish with a new all-aluminum tipped marking device, unveiled a short time ago by the Cushman & Denison Manufacturing Company.

According to the manufacturer, the *Cado-marker* will write efficiently on a variety of surfaces, such as rubber, plastic, metal and leather. It comes in eight marking colors—red, blue, green, purple, orange, brown, yellow and black.
(check 78 on Help-O-Gram card)

cushioning material

Goodbye to in transit damage stemming from jolts and jars. That's the promise of *K-Foam*—a new, low density cushioning material developed by the Greenwood Packaging Supply Company.



Said to have superior shock-absorbing strength, the new material may be molded in any density. It reportedly is extremely non-hygroscopic.
(check 79 on Help-O-Gram card)

anti-skid solution

Handling damage mounting? Employee injuries a growing problem? A new anti-skid colloidal silica coating for cartons—dubbed *Ludox*—could be the solution to both headaches.

Developed by the DuPont Corporation, the solution reportedly permits carton tilting of up to 30 degrees before slippage occurs—as compared with 15 degrees for untreated cartons.
(check 80 on Help-O-Gram card)

compact conveyor

Tailor-made for use in narrow aisles and cramped quarters is a new 12′ conveyor (working angle: 60 degrees) developed by the New London Engineering company.

Named the *Steep-Grade*, the unit is equipped with swiveling casters and an electric drive and may be employed to stack cartons to heights of up to 16′.
(check 81 on Help-O-Gram card)

feed label paster

Want to speed up your label pasting operations by as much as 50%? You can, says the Potdevin Machine Company, with an improved semi-automatic feed label paster developed by the company.

Special feature: the unit may be adjusted easily to handle labels up to 7-1/2" in width.
(check 82 on Help-O-Gram card)

gummed tape

Designed to floor spiralling taping costs is a new gummed tape, now available from the Crown Zellerbach Company. Designated *Flash-Tite*, the tape is said to offer greater pliability, wetability and a faster initial tack.
(check 83 on Help-O-Gram card)

Buyers' Guide & Directory

Equipment • Supplies • Services

This section is published as a Guide and not as an exhaustive Directory. It does not contain the names of **all** firms supplying transportation services, shipping and packaging supplies, materials handling equipment, etc., but it does contain the names of firms that can meet all your needs. Cross-indexing has been thorough, to facilitate finding of the items listed.

Advertisers are listed in Bold Face Type. For more detailed information on any product, refer to the advertisements of those firms. See Advertiser's Index on Page 62.

ADDRESSING MACHINES
- Addressograph-Multigraph Corp. — Cleveland, Ohio
- Cooper Co., D. C. — Chicago 5, Ill.
- Elliott Addressing Machine Co. — Cambridge, Mass.
- Heyer Corp., The — Chicago 23, Ill.
- Master Addresser Co. — Norfolk, Va.
- Multistamp Co., Inc. — Norfolk, Va.
- **Weber Addressing Machine Co. — Mt. Prospect, Ill.**

ADHESIVES (See Glue)

ADHESIVE TAPE (See Tape, Gummed)

AIR CARGO FORWARDERS (See Freight Forwarders' Air)

AIR CARGO CARRIERS (See Shippers Guide to Air Cargo Carriers on page)

ANCHOR PLATES, NAILS, ETC.
- Gerrard & Co., A. J. — Melrose Park, Ill.
- Stanley Works — New Britain, Conn.

ANTI SKID PLATES
- Evans Products Co. — Plymouth, Mich.
- **Northern Metal Products Co. — Chicago 24, Ill.**

AUTOGRAPHIC REGISTERS (See Multiple Forms)

AUTOMATIC TWO-STRIP SEALER
- General Corrugated Machinery Co. — Palisades Park, N. J.

B

BAG LINERS
- American Sisalkraft Corp. — Attleboro, Mass.
- Arkell Safety Bag, Co. — New York City
- Atlas Pkge. and Cont. Corp.—Div. of Protective Coatings Corp. — Clifton, N.J.
- Chase Bag Co. — Chicago 6, Ill.
- **Crown Zellerbach Corp. — San Leandro, Cal.**
- Gilman Paper Co. — New York City
- Hershey Paper Lining Co. — Melrose, Mass.
- Kennedy Car Line & Bag Co. — Shelbyville, Ind.
- **Thilmany Pulp & Paper Co. — Kaukauna, Wis.**

BAGS, BURLAP (See Burlaps)

BAGS, COTTON
- Chase Bag Co. — Chicago 6, Ill.

BAGS, DRAWSTRING, FOR SMALL PARTS
- Chase Bag Co. — Chicago 6, Ill.
- Hutchinson Bag Corp. — Hutchinson, Kans.

BAGS, INSULATING
- Jiffy Mfg. Co. — Hillside, N.J.

BAGS MAILING (See Mailing Bags)

BAGS, MULTIWALL
- Bemis Bros. Bag Co. — St. Louis, Mo.

Write for Samples and Quotation

ANTI-SKID SHIPPING PLATES

These inexpensive Skid Retarders when placed between carrier floor and shipping crates, and between crates that are stacked, anchors the shipment and prevents skidding, slipping or shifting.

Sizes 3¾"x5" (6 prongs) Pattern 63 5"x7" (12 prongs)
Pattern 64 also available

As specified for shipping by Association of American Railroads

NORTHERN METAL PRODUCTS CO.
9565 W. Grand Ave., Franklin Park, Ill.
(Suburb of Chicago)

Chase Bag Co. — Chicago 6, Ill.
Cromwell Paper Co. — Chicago 32, Ill.
Crown Zellerbach Corp. — San Francisco, Cal.
Gilman Paper Co. — New York 20, N.Y.
Hudson Pulp & Paper Corp. — New York 22, N.Y.
Kraft Bag Corp. — New York, N.Y.
Merle Sears Paper Box Co. — Danville, Illinois
National Container Corp. — New York City
Raymond Bag Co. — Middletown, O.
St. Regis Paper Co. — New York City

BAGS, PAPER
American Sisalkraft Corp. — Attleboro, Mass.
Arkell Safety Bag Co. — New York City
Bagpak, Inc. — New York City
Bemis Bros. Bag Co. — St. Louis, Mo.
Chase Bag Co. — Chicago 6, Ill.
Continental Paper & Bag Mills Corp. — New York City
Cromwell Paper Co. — Chicago 32, Ill.
East Coast Paper Products Corp. — Brooklyn, N.Y.
Fierst Industrial Products — Chicago 16, Ill.
Glas-Kraft, Inc. — Lonsdale, R.I.
Hershey Paper Lining Co. — Melrose, Mass.
Hudson Bag Co. — Brooklyn, N.Y.
Hudson Pulp & Paper Corp. — New York 17, N.Y.
International Paper Co. — New York, N.Y.
Jiffy Mfg. Co. — Hillside, N. J.
Rochester Case Liner Co. — Rochester 4, N.Y.
Thilmany Pulp & Paper Co. — Kaukauna, Wisc.
Union Bag & Paper Corp. — New York City

BAGS, RUST PREVENTATIVE, HEAT-SEALABLE
Orchard Paper Co. — St. Louis, Mo.

BAGS, WATERPROOF & GREASEPROOF
American Sisalkraft Corp. — Attleboro, Mass.
Arkell Safety Bag. Co. — New York City
Atlas Pkge. and Cont. Corp.—Div. of Protective Coatings Corp. — Clifton, N.J.
Bemis Bros. Bag Co. — St. Louis, Mo.
Chase Bag Co. — Chicago 6, Ill.
Cincinnati Industries, Inc. — Cincinnati, Ohio
Cooper Co., D.C. — Chicago 5, Ill.
Cromwell Paper Co. — Chicago 32, Ill.
Fierst Industrial Products — Chicago 16, Ill.
Glas-Kraft, Inc. — Lonsdale, R.I.
Hedden Packaging Co. — Newark 7, N.J.
King & Co., Charles E. — Chicago 22, Ill.
Raymond Bag Co. — Middletown, Ohio
Riley & Geehr, Inc. — Chicago 14, Ill.
Rochester Case Liner Co. — Rochester 4, N.Y.
Thilmany Pulp & Paper Co. — Kaukauna, Wisc.
Vanant Products, Inc. — Milwaukee 1, Wisc.

BARRELS, SLACK
Brooklyn Cooperage Co. — New York City
Grief Bros. Cooperage Co. — Cleveland, Ohio
St. Louis Cooperage Co. — St. Louis, Mo.

BARRIER MATERIALS (Also see Rust Preventatives)
Hutchinson Bag Corp. — Hutchinson, Kan.
Western Cooperage — Portland, Oregon

BARRELS, STEEL
Boyle Mfg. Co. — Los Angeles, Cal.
DuPont de Nemours, E. I., & Co. — Wilmington, Del.
Jones & Laughlin Steel Corp. — Pittsburgh, Pa.
Newark Steel Drum Co. — Linden, N.J.
Petroleum Iron Works Co. — Sharon, Pa.
Pressed Steel Tank Co. — Milwaukee, Wisc.
Seamless Steel Products Co. — Milwaukee, Wisc.
Wheeling Corrugating Co. — Wheeling, W. Va.
Wilson & Bennett Mfg. Co. — Chicago, Ill.
Fierst Industrial Products — Chicago 16, Ill.
Riley & Geehr, Inc. — Chicago 14, Ill.

BASKETS, DIPPING
Aeroil Products Co., Inc. — South Hackensack, N.J.
Cooper, Co., D. C. — Chicago 5, Ill.

BELTING, RUBBER, FOR CONVEYORS & ELEVATORS
Link Belt Co. — Chicago, Ill.
United States Rubber Co. — New York City

BILLS OF LADING
Autographic Register Co. — Hoboken, N.J.
Gavrin Press, Inc., Arthur J. — New Rochelle, N.Y.
National Cash Register Co. — Dayton 9, Ohio

BOX BOARD SHREDDERS (See Shredding Machines)

BOX CAR OPENER
Industrial Products, Inc. — Philadelphia 33, Pa.
Nolan Co. — Bowerston, Ohio

BOX CUSHIONING (See also Wadding and Paper, Corrugated)
F. Burkart Mfg. Co. — St. Louis, Mo.
Fox Paper Co. — Cincinnati, Ohio
Jiffy Mfg. Co. — Hillsdale, N.J.
Kimberly Clark Corp. — Neenah, Wisc.
Kiefer Paper Co. — Ewing, Ind.
Queen City Tulatex Corp. — Burlington, Vt.
Sherman Paper Products Corp. — Newton Upper Falls, Mass.
Thilmany Pulp & Paper Co. — Kaukauna, Wisc.
Vanant Products, Inc. — Milwaukee 2, Wisc.
Wood Conversion Co. — St. Paul 1, Minn.

BOX NAILING MACHINERY
Acme Staple Co. — Camden, N.J.
Auto-Nailer Co. — Atlanta 3, Ga.
Bostitch, Inc. — East Greenwich, R.I.
International Staple & Machine Co. — Herrin, Ill.
Saranac Machine Co. — Benton Harbor, Mich.

BOX REINFORCING (See Strapping, Steel & Accessories)

BOX STAY WIRE
Acme Steel Co. — Chicago 8, Ill.
Brainard Steel Co. — Warren, Ohio
Riverside-Alloy Metal Div., H. K. Porter Co., Inc. — Holyoke, Mass.

BOX STRAPPING TOOLS (See Tools, Box Strapping)

BOX TESTING (See Laboratories, Container Testing, and Testing Machines)

BOXES, CORRUGATED FIBRE (See also Cartons, Folding)
American Corrugated Paper Products Corp. — New York, N.Y.
Ball Bros. Co. — Muncie, Ind.
Chicago Mill & Lumber Co. — Chicago 3, Ill.
Chippewa Paper Products Co., Inc. — Chicago 32, Ill.
Container Corp. of America — Chicago, Ill.
Eddy Paper Corp. — Chicago, Ill.
Fierst Industrial Products — Chicago 16, Ill.

Ft. Wayne Corrugated Paper Co. Ft. Wayne, Ind.
Gair Co., Robert New York 17, N.Y.
Gaylord Container Corp. St. Louis, Mo.
General Box Co. Des Plaines, Ill.
Hinde & Dauch Paper Co. Sandusky, Ohio
Inland Container Corp. Indianapolis, Ind.
Merle Sears Paper Box Co. Danville, Ill.
Mid-States Container Corp. De Graph, Ohio
National Container Toledo 1, Ohio
Olympic Corrugated Container Corp. New York 1, N.Y.
Victory Container Corp. New York 1, N.Y.

BOXES, MAILING (See Mailing Boxes)

BOXES, METAL

Edwards Mfg. Co. Cincinnati, Ohio
Parish Pressed Steel Co. Reading, Pa.
Security Steel Equipment Corp. Avenel, N.J.
Brunt & Co. Chicago, Ill.

BOXES, NAILLESS (See Boxes, Wirebound)

BOXES, SHOP AND TOTE

Chicago Mill & Lumber Co. Chicago, Ill.
General Box Co. Des Plaines, Ill.
Lewis Co., G. B. Watertown, Wisc.
New England Box Co. Greenfield, Mass.
Rathborne, Hair & Ridgway Box Co. Chicago 8, Ill.

BOXES, SOLID FIBRE

Brunt & Co. Chicago, Ill.
Container Corp. of America Chicago, Ill.
Eddy Paper Corp. Chicago, Ill.
Gair Co., Robert New York 17, N.Y.
Gaylord Container Corp. St. Louis, Mo.
Hinde & Dauch Paper Co. Sandusky, Ohio
Mid-States Container Corp. De Graf, Ohio
Inland Container Corp. Indianapolis, Ind.
Kieckhefer Container Co. Milwaukee, Wisc.
Mid-States Container Corp. De Graf, Ohio
Rathborne, Hair & Ridgway Box Co. Chicago 8, Ill.
Victory Container Corp. New York 1, N.Y.

BOXES, WIREBOUND

Ace Box Co. Denver, Colo.
Adkins Manufacturing Company Gainesville, Fla.
The American Box Co. Cleveland 13, O.
American Wood Products Corp. Marian, S.C.
California Barrel Co., Ltd. Grimsby, Ontario, Canada
Chicago Mill & Lumber Co. Chicago 3, Ill.
Consumers Wirebound Box Co. Waynesboro, Miss.
Continental Box Co. Houston 1, Tex.
Crosby Forest Products Co. Picayune, Miss.
Cummer-Graham Co. Paris, Texas
Decatur Box & Basket Co., Inc. Decatur, Ala.
Dyer Fruit Box Manufacturing Co. Dyer, Tenn.
Elberta Crate & Box Co., Inc. Bainbridge, Ga.
Florida All-Bound Box Co., Inc. Auburndale, Fla.
Flour City Box Mfg. Co., Inc. Waterloo, Iowa
General Box Co. Des Plaines, Ill.
General Box Co. of Mississippi Meridian, Miss.
Gondert & Lienesch, Inc. Dayton 2, O.
Indianapolis Wire Bound Box Co. Fernwood, Miss.
Jackson Box Company Chicago 1, Ill.
Jones Box & Mill Division Buffalo 2, N.Y.
Lange & Crist Box & Lumber Co., Inc. Clarksburg, W. Va.
David M. Lea & Co. Richmond 12, Va.
Main Bros. Box & Lumber Co. Karnak, Ill.
Marinette & Menominee Box Co. Marinette, Wis.
The Martin Bros. Box Co. Toledo 1, O.
T. R. Miller Mill Co., Inc. Brewton, Ala.
The New England Box Co. Greenfield, Mass.
Newton Box & Basket Co. Newton, Ill.
Pierpont Manufacturing Co. Savannah, Ga.
Plymouth Container Corp. Plymouth, Ind.
Rathborne, Hair & Ridgway Box Co. Chicago 8, Ill.
The Roseland Wirebound Box Co. Roseland, La.
St. John's Box Co. Palatka, Fla.
Southern Crate & Veneer Co. Macon, Ga.
Western Wirebound Box Co. Portland 9, Ore.
Wirebound Box Manufacturers Assn. Chicago, Ill.
Wisconsin Box Co. Wausau, Wis.

BOXES, WOOD AND PLYWOOD

Atlas Plywood Corp. Boston 16, Mass.
Bogert & Hopper New York City
Chicago Mill & Lumber Corp. Chicago, Ill.
Fierst Industrial Products Chicago 16, Ill.
General Box Co. Des Plaines, Ill.
Maxwell Bros. Chicago, Ill.
New England Box Co. Greenfield, Mass.
Rathborne, Hair & Ridgway Box Co. Chicago 8, Ill.
Schipper, Henry J. Sturgis, Mich.
U. S. Plywood Corp. New York 36, N. Y.
Veco Benton Harbor, Mich.
Weyerhaeuser Forest Products St. Paul, Minn.

BRUSHES: FOUNTAIN, MARKING, AND STENCIL

Applicator Co. Brooklyn, N. Y.
Alexander Co., W. H. N. Y. 13 and Phila. 6
Bradley Mfg. Co., A. J. L. I. City, N.Y.
Brown Shipping Supply Co. Philadelphia, Pa.
Cushman and Denison Mfg. Co. Carlstadt, N.J.
Diagraph Bradley Industries, Inc. Herrin, Ill.
Easy Mark Ink Co. Lowell, Mass.
Floquil Products, Inc. Cobleskill, N.Y.
Force & Co., Inc., Wm. A. New York 13, N. Y.
Garvey Fountain Brush & Ink Co. St. Louis 10, Mo.
Ideal Stencil Machine Co. Belleville, Ill.
Marhar Mfg. Co. E. Orange, N.J.
Markwell Mfg. Co. New York 13, N.Y.
Marsh Stencil Machine Co. Belleville, Ill.
Melind Co., Louis Chicago, Ill.
Post & Co., H. A. New York 19, N.Y.
Speedry Products, Inc. New York 6, N.Y.
Superior Type Co. Chicago, Ill.
Universal Fountain Brush Co. St. Petersburg, Fla.

BRUSHES, GLUE (See Glue Brushes)

BUILT-IN SCALES (See Scales, Platform)

BURLAPS AND BURLAP BAGS

Ames-Harris-Neville Co. San Francisco, Cal.
Arkell Safety Bag Co. New York City
Bemis Bros. Bag Co. St. Louis, Mo.
Burros Bag Co., Inc. Brooklyn, N.Y.
California Cotton Mill Co. Oakland, Cal.

Chase Bag Co. Chicago 6, Ill.
Central Bag & Burlap Co. Chicago, Ill.
Halstead, E. S., & Co. Jersey City, N.J.
Oriental Textile Mills, Houston Heights Houston, Tex.
Stein, Hall & Co. New York 17, N.Y.

BURLAP TUBING
Chase Bag Co. Chicago 6, Ill.
Fricke Co., J. E. Philadelphia 6, Pa.

BUSINESS TRAINING
La Salle Extension University Chicago, Ill.
Shipping Management-National Hi-Way Shipper, Book Dept. New York 16, N.Y.
Traffic Managers' Institute New York, N.Y.

C

CAMBRICS, BOX, GUMMED
Ludlow Papers, Inc. Needham Heights 94, Mass.
Mid-States Gummed Paper Co. Chicago 8, Ill.
Nashua Co. Nashua, N.H.
Rexford Paper Co. • Milwaukee 3, Wisc.

CANS, MAILING (See Mailing Cans)

CANS, METAL
Heddon Packaging Co. Newark 7, N.J.

CAR BRACING MATERIALS (See Strapping, Steel and Accessories)

CAR DOOR OPENERS
Industrial Products Co. Philadelphia 33, Pa.
Nolan Co. Bowerston, Ohio

CAR DOOR WEATHER PROTECTOR
Elwing Corp., The Jacksonville 4, Florida

CARGO PROTECTION
Cargocaire Engineering Corp. N.Y.C. & Seattle, Wash.

CARGO TRUCKS (See Trucks)

CARTON OPENERS (Also See Knives)
Flash Box Opener Co. Newark 1, N.J.
Mark Specialty Co. Rochester, New York
Modern Specialties Co. Chicago 23, Ill.
Stanley Works New Britain, Conn.

CARTON LINERS (See Liners, Carton)

CARTONS, FOLDING
Chippewa Paper Products Co., Inc. Chicago 32, Ill.
Cleveland Corrugated Box Co. Cleveland, Ohio
Container Corp. of America Chicago, Ill.
Gair Co., Inc., Robert New York 17, N.Y.
Gaylord Container Corp., The St. Louis, Mo.
Hinde & Dauch Paper Co. Sandusky, Ohio
Menasha Products Co. Menasha, Wisc.
Merle Sears Paper Box Co. Danville, Illinois
Mid-States Container Corp. De Graf, Ohio
National Folding Box Co. New Haven, Conn.
Olympic Corrugated Container Corp. N.Y. 1, N.Y.
Paraffin Companies, Inc., The San Francisco, Cal.
Rathborne, Hair & Ridgway Box Co. Chicago 8, Ill.

CASE NUMBERING MACHINES
Force & Co., Inc., Wm. A. New York 13, N. Y.

CASES, BEVERAGE
Rathborne, Hair & Ridgway Box Co. Chicago 8, Ill.

CASE SEALING GLUES (Also see Glue, Liquid and Flexible)
Stein Hall New York 17, N.Y.
Sunset Co. New York 14, N. Y.

CASE SEALING MACHINES
Ferguson Co., J. L. Joliet, Ill.
General Corrugated Machine Co. Palisades Park, N. J.
International Staple & Machine Co. Herrin, Ill.
Standard-Knapp Corp. L. I. City, N.Y.

CASTERS, TRUCK
Bassick Co. Bridgeport, Conn.
Colson Corp., The Elyria, Ohio
Faultless Caster Corp. Evansville, Ind.
Hamilton Caster & Truck Co. Hamilton, Ohio
Lewis Co., G. B. Watertown, Wis.
Market Forge Co. Everett, Mass.
Nutting Truck and Caster Co. Faribault, Minn.
Rapids-Standard Co. Grand Rapids 2, Mich.
Service Caster & Truck Co. Albion, Mich.

CELLULOSE ACETATE BUTYRATE
Cooper Co., D. C. Chicago 5, Ill.
Riley & Geehr, Inc. Chicago 14, Ill.

CELLULOSE WADDING, CREPE WADDING
Fierst Industrial Products Chicago 16, Ill.
Fox Paper Co. Cincinnati, Ohio
General Cellulose Co. Garwood, N.J.

Hanline, H. G. Co., Inc. Philadelphia, Pa.
Kimberly-Clark Corp. Neenah, Wis.
Post, H. A. & Co. New York 19, N.Y.
Wood Conversion Co. St. Paul 1, Minn.

CHAIN HOIST CONVEYORS (See Conveyors)

CLEANING COMPOUNDS, ALKALI SOLVENTS
Cooper Co., D. C. Chicago 5, Ill.

CLOTH TAPE (See Tape, Gummed, Cloth and Paper)

COATING, WATERPROOF (See Protective Coatings)

COLORED STENCIL INK
A. J. Bradley Co. New York City
Alexander Co., W. H. N. Y. 13 and Phila. 6
Cushman and Denison Mfg. Co. Carlstadt, N.J.
Diagraph Bradley Industries, Inc. Herrin, Ill.
Floquil Products, Inc. Cobleskill, N.Y.
Force, Wm. A. & Co., Inc. New York 13, N.Y.
Garvey Fountain Brush and Ink Co. St. Louis, Mo.
Ideal Stencil Machine Co. Belleville, Ill.
Marsh Stencil Machine Co. Belleville, Ill.
Louis Melind Co. Chicago, Ill.
Reynolds Ink, Inc. Cleveland, Ohio
Speedry Products, Inc. Richmond Hill, N. Y.
Sten-C-Labl, Inc. St. Paul, Minn.
Universal Fountain Brush Co. St. Petersburg, Fla.

COMMUNICATION SYSTEM
Tel-Autograph Corp. New York 23, N.Y.

CONDITIONER, SEALING TAPE
Beta-Stik Philadelphia, Pa.
NYCCO Products Co. New York, N.Y.
Seal Tonic Shelton, Conn.

COMPUTER, PARCEL POST RATES
Borg Erickson Corp. Chicago, Ill.
Commercial Controls Corp. Rochester, New York
Detecto Scales, Inc. Brooklyn 5, N.Y.
Pitney Bowes, Inc. Stamford, Conn.

CONSTRUCTION, TRUCK TERMINALS
Arthur E. Nelson Chicago 19, Ill.
W. Scott Armstrong Co. Chicago, Ill.

CONTAINER, FIBRE
Continental Can Co. New York, N.Y.
Hinde & Dauch Sandusky, O.
Rheem Mfg. Co. Chicago, Ill.
United Can Co. Phillipsburg, N.J.

CONTAINERS (See Various Listings Under Boxes, Cartons, Crates, etc.)

CONTAINER TESTING MACHINES (See Testing Machines)

CONTAINER TESTING LABORATORIES (See Laboratories, Container Testing)

CONTENTS PACKAGE LABELING
Algene Marking Equipment, Inc. New York 10, N.Y.
American Tape Printer New York City
Multistamp Co., Inc. Norfolk, Va.
Sten-C-Labl, Inc. St. Paul 4, Minn.
Weber Addressing Machine Co. Mt. Prospect, Ill.

CONVEYOR MARKERS
Algene Marking Equipment, Inc. New York 10, N.Y.
Force & Co., Inc., Wm. A. New York 13, N.Y.
Sten-C-Labl, Inc. St. Paul 4, Minn.

CONVEYORS
Allis-Chalmers Mfg. Co. Milwaukee, Wis.
Brown Hoisting Machinery Co. Cleveland, Ohio
Chain Belt Co. Milwaukee, Wis.
Clark-Equipment Co., Tructractor Div. Battle Creek 65, Mich.
Farquhar Co., A. B. York, Pa.
Jeffrey Mfg. Co. Columbus, Ohio
Lamson Corp., The Syracuse 1, N.Y.
Link-Belt Co. Chicago, Ill.
Long Island Equipment L. I. C., N.Y.
Potdevin Machine Co. Teterboro, N.J.
Seedburo Equipment Co. Chicago 6, Ill.
Speedways Conveyors, Inc. Buffalo 13, N.Y.

CONVEYORS, GRAVITY ROLLER
Alvey Conveyor Mfg. Co. St. Louis, Mo.
Farquhar Co., A. B. York, Pa.
Lamson Corp., The Syracuse 1, N.Y.
Logan Co. Louisville, Ky.
Rapids-Standard Co., Inc. Grand Rapids 2, Mich.

CONVEYORS, OVERHEAD
American Cable-Link Corp. Detroit, Mich.
Buschman Co., The E. W. Cincinnati, O.
Flexible Conveyor Co. Sandusky, O.
International Conveyor & Washer Corp. Detroit, Mich.
Lamson Corp. Syracuse, N.Y.
Lok-Rak Corp. of America East Hartford, Conn.
Michigan Crane & Conveyor Co. Detroit, Mich.
Saginaw Products Corp. Saginaw, Mich.

CONVEYORS, PORTABLE BOOSTERS
Long Island Equipment L. I. C., N.Y.
Farquhar Co., A. B. York, Pa.
Lamson Corp., The Syracuse 1, N.Y.

CORD TYING MACHINES (See Package Tying Machines)

CORNER PROTECTORS
Acme Steel Co. Chicago 8, Ill.
Evans Products Co. Plymouth, Mich.
Gerrard & Co., A. J. Melrose Park, Ill.
Gerrard Steel Strapping Co. Chicago, Ill.
Independent Metal Strap Co. Brooklyn 15, N.Y.
Signode Steel Strapping Co. Chicago 47, Ill.
Stanley Works, The New Britain, Conn.

CORROSION PREVENTATIVES (See Silica Gel, Slushing Oils and Rust Preventatives)

CORROSION PREVENTATIVE PAPERS (Also see Paper, Waterproof Wrapping and Vapor Phase Inhibitor Wraps)
Feaver Paper Co., John H. Bala-Cynwyd, Pa.
Orchard Paper Co. St. Louis 15, Mo.
Thilmany Pulp & Paper Co. Kaukauna, Wisc.

CORRUGATED BOXES (See Boxes, Corrugated Fiber)

CORRUGATED DISPENSERS (See Paper Cutters)

CORRUGATED LINERS (See Liners, Carton and Liners, Car)

CORRUGATED PAPER (See Paper, Corrugated)

COVER OLD SHIPPING MARKS
Alexander Co., The W. H., New York 13, N. Y.

CRANES, INDUSTRIAL POWER
Atlas Car & Mfg. Co. Cleveland, Ohio
Baker Raulang Co. Cleveland, Ohio
Crescent Truck Co. Lebanon, Pa.
Easton Car & Mfg. Co. Easton, Pa.
Elwell-Parker Electric Co. Cleveland, Ohio

Mercury Mfg. Co. Chicago, Ill.
Yale & Towne Mfg. Co. Philadelphia, Pa.

CRATE NAILER, AUTOMATIC
Auto-Nailer Co. Atlanta 3, Ga.

CRATES, WIRE BOUND (See Boxes, Wirebound)
Chicago Mill & Lumber Co. Chicago, Ill.
General Box Co. Des Plaines, Ill.
Indianapolis Wire Bound Mfg. Co. Indianapolis, Ind.
Rathborne, Hair & Ridgway Box Co. Chicago 8, Ill.
Wirebound Box Manufacturers Assn. Chicago, Ill.

CRAYONS
American Crayon Co., The Sandusky, Ohio
Binney & Smith, Inc. New York 17, N.Y.
Diagraph Bradley Industries, Inc. Herrin, Ill.
Carvey Fountain Brush & Ink Co. St. Louis, Mo.
Helmer Staley Inc. Chicago, Ill.
Markal Co. Chicago, Ill.

CREPE WADDING
Fibleco Illinois Corp. Chicago 6, Ill.
Fierst Industrial Products Chicago 16, Ill.
General Cellulose Co. Garwood, N.J.
Kimberly-Clark Corp. Neenah, Wis.

CURLED HAIR
Cooper Co., D. C. Chicago 5, Ill.

CUSHIONING MATERIALS (See Packaging Materials, Packaging Pads, etc.)

CUSTOMS BROKERS
Air Express International New York 13, N.Y.

CUTTERS, FIBRE, PACKAGING MATERIALS, PAPER
Bulman Mfg. Co., E. O. Grand Rapids 2, Mich.
Modern Specialties Co. Chicago 23, Ill.
Sherman Paper Products Corp. Newton Upper Falls, Mass.

CUTTERS, PAPER (Also see Paper Cutters)
Bulman Mfg. Co., E. O. Grand Rapids 2, Mich.
Sherman Paper Products Corp. Newton Upper Falls, Mass.

CUTTERS, ROPE, TWINE & STRING
Modern Specialties Co. Chicago 23, Ill.

CUTTERS, WIRE (Also see Wire Cutters)
Porter, Inc., H. K., Riverside-Alloy Metal Div. Holyoke, Mass.

D

DATERS, ROTARY and LINE
Evans & Convery Philadelphia 6, Pa.
Force & Co., Inc., Wm. A. New York 13, N.Y.
C. H. Hansen Co. Chicago, Ill.
Louis Melind Co. Chicago, Ill.
Rivet-O Mfg. Co. Orange, Mass.
Superior Type Co. Chicago, Ill.

DESSICANTS (Also see Silica Gel)
American Industrial Chemical Co. Butler, N. J.
Culligan Inc. Northbrook, Ill.
Cooper Co., D. C. Chicago 5, Ill.
Davison Chemical Corp. Baltimore 3, Md.
Eagle Chemical Co. Chicago 12, Ill.
Filtrol Corp. Los Angeles, Cal.

DESSICANT STORAGE CONTAINER
Cooper Co., D. C. Chicago 5, Ill.

Names in **BOLD FACE** Are Advertisers In This Issue—See Advertiser's Index, Page 62

Polis Mfg. Co., J. D. Chicago 23, Ill.

DIES, PRINTING
Hansen Co., The C. H. Chicago, Ill.
Matthews, Jas. H. & Co. Pittsburgh, Pa.
Pittsburgh Stamp Co. Pittsburgh, Pa.
Spencer Mfg. Co., S. M. Boston, Mass.

DIES, STENCIL
Adams, S. G. Co. St. Louis, Mo.
Floquil Products, Inc. Cobleskill, N.Y.
Hoggson & Pettis Mfg. Co. New Haven, Conn.
Matthews, Jas. H. & Co. Pittsburgh, Pa.
Schwerdtle Stamp Co. Bridgeport, Conn.
Spencer Mfg. Co., S. M. Boston, Mass.

DISPENSERS, FLEXIBLE CORRUGATED (See Paper Cutters)

DISPENSERS, TAPE (See Sealing Machines, Gummed Tape, Automatic)

DISPOSABLE PALLETS (See Pallets, Expendable)

DOCKBOARDS
Brooks and Perkins, Inc. Detroit, Mich.
Kelley Co. Milwaukee, Wis.
Magline, Inc. Pinconning, Mich.
Magnesium Co. of America E. Chicago, Ind.
Washington Aluminum Co. Baltimore, Md.

DOCK SHELTERS
Capco, Inc. Kansas City, Mo.
Frommelt, Inc. Chicago, Ill.

DOCK COVERS
Elwing Corp, The, Jacksonville 4, Fla.

DRUMS, FIBRE, VENEER, WOOD
Continental Can Co., Inc. Van Wert, Ohio
Emery-Carpenter Container Co. Cincinnati, Ohio
Fibre Drum Co. Kankakee, Ill.
Greif Bros. Cooperage Corp, The Delaware, Ohio
Master Package Corp., The Owen, Wisc.
Monmouth Container Corp., The Mattawah, N.J.
National Steel Container Corp. Chicago, Ill.
Pacific All-Fibre Drums, Inc. Alhambra, Calif.
Pacific Steelfiber Drums, Inc. Alhambra, Calif.
Plyfiber Container Corp. Garwood, N.J.
Rheem Mfg. Co. Chicago, Ill.
Sandusky Cooperage & Lumber Co. St. Louis, Mo.
Saver Cooperage Corp. Wyandotte, Mich.
St. Louis Basket & Box Co. St. Louis, Mo.

DRUMS, METAL
American Can Co. New York City
Bausenbach, Inc., A. E. Buffalo 2, N.Y.
Butler Mfg. Co. Kansas City, Mo.
Heddon Packaging Co. Newark 7, N.J.
Wilson & Bennett Mfg. Co. Chicago, Ill.

DRUMS, RUBBER LINED
Cooper Co., D. C. Chicago 5, Ill.
Goodrich, B. F. Co. Akron, Ohio

DUPLICATOR, STENCIL
Multistamp Co., Inc. Norfolk, Va.
Sten-C-Labl, Inc. St. Paul 4, Minn.
Weber Addressing Machine Co. Mt. Prospect, Ill.

E

ELEVATOR, PORTABLE

Automatic Transportation Co. — Chicago 20, Ill.
Barrett Cravens Co. — Chicago, Ill.
Colson Corp. — Elyria, Ohio
Clark Equipment Co. — Battle Creek 65, Mich.
Elwell-Parker Electric Co., The — Cleveland, Ohio
Lewis-Shepard Co. — Watertown, Mass.
Revolvator Co. — North Bergen, N.J.
Yale & Towne Mfg. Co. — Philadelphia, Pa.

ENVELOPE MOISTENERS

Baray Products Co. — Detroit, Mich.
Better Packages, Inc. — Shelton, Conn.
Derby Sealers, Inc. — Derby, Conn.
Glue-Fast Equipment Co., Inc. — New York 13, N.Y.
Hummel Co., A. C. — Cincinnati 13, Ohio
Potdevin Machine Co. — Teterboro, N.J.

ENVELOPES, WATERPROOF SHIPPING

Globe Envelope Mfg. Co. — Los Angeles 38, Calif.

ETHYL-CELLULOSE DIPPING COMPOUND

Cooper Co., D. C. — Chicago 5, Ill.
Dearborn Chemical Co. — Chicago 4, Ill.
Riley & Geehr, Inc. — Chicago 14, Ill.

EXCELSIOR

American Excelsior Corp. — Chicago 22, Ill.
American Excelsior Corp. — Little Rock, Ark.
American Excelsior Corp. — Kansas City, Kans.
American Excelsior Corp. — Detroit 8, Mich.
American Excelsior Corp. — Grand Rapids 2, Mich.
American Excelsior Corp. — Minneapolis 14, Minn.
American Excelsior Corp. — St. Louis 3, Mo.
American Excelsior Corp. — Sheboygan, Wisc.
American Viscose Corp. — Philadelphia, Pa.
American Forest Products Co. — Baltimore 24, Md.
American Forest Products Co. — Philadelphia 21, Pa.
Atlantic Excelsior Company, Inc. — Boston 29, Mass.
Atlantic Excelsior Company, Inc. — New York 1, N.Y.
Du Pre Mfg. Co. — Atlanta, Ga.
Elbee Excelsior Co. — Newark 7, N.J.
Eugene Excelsior Co. — Eugene, Ore.
Excelsior Mills Corp. — Gainsville, Fla.
Excelsior Supply Co. — Newark 5, N.J.
Excelsior Supply Co. — Buffalo 13, N.Y.
Excelsior Supply Co. — Rochester 5, N.Y.
Excelsior Supply Co. — Cincinnati 4, Ohio
Excelsior Supply Co. — Cleveland 14, Ohio
Excelsior Supply Co. — Toledo 2, Ohio
Excelsior Supply Co. — Pittsburgh 1, Pa.
Hedden Packaging Co. — Newark 7, N.J.
Shredded Paper Products Co. — Baltimore, Md.

EXCELSIOR BINS

Cooper Co., D. C. — Chicago 5, Ill.
Lyon Metal Products, Inc. — Aurora, Ill.
Polis Mfg. Co., J. D. — Chicago 23, Ill.
Safety Fire Extinguisher Co. — New York City

EXCELSIOR PADS

American Excelsior Corp. — Chicago 22, Ill.
American Excelsior Corp. — Little Rock, Ark.
American Excelsior Corp. — Kansas City, Kans.
American Excelsior Corp. — Detroit 8, Mich.
American Excelsior Corp. — Grand Rapids 2, Mich.
American Excelsior Corp. — Minneapolis 14, Minn.
American Excelsior Corp. — St. Louis 3, Mo.
American Excelsior Corp. — Sheboygan, Wisc.
American Forest Products Co. — Baltimore 24, Md.
American Forest Products Co. — Philadelphia 21, Pa.
Atlantic Excelsior Company, Inc. — Boston 29, Mass.
Atlantic Excelsior Company, Inc. — New York 1, N.Y.
Du Pre Mfg. Co. — Atlanta, Ga.
Elbee Excelsior Co. — Newark 7, N.J.
Excelsior Supply Co. — Newark 5, N.J.
Excelsior Supply Co. — Buffalo 13, N.Y.
Excelsior Supply Co. — Newark 5, N.J.
Excelsior Supply Co. — Cincinnati 4, Ohio
Excelsior Supply Co. — Cleveland 14, Ohio
Excelsior Supply Co. — Toledo 2, Ohio
Excelsior Supply Co. — Pittsburgh 1, Pa.
Hedden Packaging Co. — Newark 7, N.J.

F

FASTENERS, PAPER (See Paper Fasteners, Staplers)

FASTENERS AND STITCHERS

Ace Fastener Co. — Chicago, Ill.
Acme Staple Co. — Camden, N.J.
Arrow Fastener Co., Inc. — Brooklyn 6, N.Y.
Autoclench Co., Inc. — New York City
Bostitch, Inc. — Westerly, R.I.
Burgess Co. — Cleveland, Ohio
Fastener Corp. — Chicago 14, Ill.
Hansen Mfg. Co., A. L. — Chicago 40, Ill.
Heller Co., The — Cleveland, Ohio
Hotchkiss Co., E. H. — Norwalk, Conn.
Inland Wire Products Co. — Chicago 9, Ill.
Mid-States Steel and Wire Co., Crawfordsville, Ind.
Neva-Clog Products, Inc. — Bridgeport 1, Conn.
Paslode Co. — Chicago, Ill.
Riverside-Alloy Metal Division, H. K. Porter Co., Inc. — Holyoke, Mass.
Signode Steel Strapping Co. — Chicago 47, Ill
Stanley Works, The — New Britain, Conn.

FIBRE DRUMS (See Drums, Fibre)

FILING CABINETS, STENCIL

Diagraph Bradley Industries, Inc. — Herrin, Ill.
Ideal Stencil Machine Co. — Belleville, Ill.
Marsh Stencil Machine Co. — Belleville, Ill.
Williamson Stamp Co. — Minneapolis, Minn.

FLEXIBLE CORRUGATED (See various listings under Corrugated and Paper)

FLOOR SCALES (See Scales, Platform)

FOLDING CARTONS (See Cartons, Folding)

FORMS SHIPPING (See Multiple Forms)

FOUNTAIN BRUSHES (See Brushes, Fountain)

FOUNTAIN MARKERS

Cushman & Denison Mfg. Co. — New York 11, N.Y.
Diagraph Bradley Industries, Inc. — Herrin, Ill.
Flash Mfg. Co. — Newark 5, N. J.
Force & Co., Inc., Wm. A. — New York 13, N.Y.
Garvey Fountain Brush and Ink Co. — St. Louis, Mo.
Hanline Co., H. G. — Philadelphia 6, Pa.
Marhar Mfg. Co. — E. Orange, N.J.
Melind & Co., Louis — Chicago, Ill.
Marsh Stencil Machine Co. — Belleville, Ill.

Speedry Products, Inc. New York 6, N.Y.
Universal Fountain Brush Co. St. Petersburg, Fla.

FREIGHT CARRIERS, AIR (See Air Cargo Carriers)

FREIGHT CARRIERS, MOTOR (See Motor Cargo Carriers)

FREIGHT CHECKING STAND
Mohr Co., Glen B. Oakland 1, Calif.

FREIGHT FORWARDERS, AIR
ABC Air Freight Co., Inc. New York, N.Y.
Ace Air Freight Co., Inc. New York, N.Y.
Acme Air Cargo, Inc. New York, N.Y.
Air Cargo Consolidators, Inc. Levittown, N.Y.
Air Cargo Transport E. Boston 28, Mass.
Air Express International Corp. New York 4, N.Y.
Air Freightways Philadelphia 36, Pa.
Air-Land Freight Consolidators, Inc. San Francisco, Cal.
Air Lanes Service, Inc. Cleveland 7, Ohio
Air-Sea Forwarders, Inc. Los Angeles 13, Calif.
Airborne Coordinators, Inc. Cleveland 11, Ohio
Airborne Freight Corp. San Francisco, Calif.
Alas Ibero Americans Inc. Miami 48, Fla.
All-Airtransport, Inc. New York 4, N.Y.
Allied Air Freight, Inc. New York 1, N.Y.
Amerford International New York City
American Shippers, Inc. Los Angeles 21, Calif.
Anderson Express, Ltd. Jamaica 30, N.Y.
Andrews, D. C. New York City
Arista Shipping Co. New York 4, N.Y.
Barnett Aircargo, Inc. New York, N.Y.
Barnett International Airfreight Corp. New York 36, N.Y.
Bor-Air-Freight Co., Inc. New York 18, N.Y.
W. J. Byrnes & Co., of New York New York 4, N.Y.
Caribbean & West Indies Express Co. Miami 32, Fla.
Chicagoland Air Freight Chicago 7, Ill.
City Messenger Air Express Los Angeles 28, Cal.
Cloud Lane Fort Worth, Tex.
Consolidated Air Freight, Inc. San Juan, Puerto Rico
Continental Forwarding Service Baltimore 30, Md.
Domestic Air Express Los Angeles 54, Cal.
Dorf Int'l. Ltd. New York, N.Y.
Dow Co., Inc. Seattle 4, Wash.
Emery Air Freight Corp. New York, N.Y.
Empire Foreign Air Forwarders, Inc. New York 6, N.Y.
Flete International Corp. New York 4, N.Y.
Flying Cargo, Inc. New York 6, N.Y.
4-A Airfreight Consolidators & Forwarders, Inc. Chicago 30, Ill.
Freedman & Slater, Inc. New York 4, N.Y.
General Air Freight, Inc. Chicago, Ill.
Gilbert Air Transport Corp. New York, N.Y.
Global Air Cargo San Francisco 11, Cal.
Henjes, Inc., Frederick, Jr. New York 4, N.Y.
Hensel, Bruckmann & Lorbacher, Inc. New York 4, N.Y.
Hop Air Freight Forwarder, Inc. New York 1, N.Y.
Inter-Maritime Forwarding Co., Inc. New York 4, N.Y
Intra-Mar Shipping Corp. New York 4, N.Y.
K & R Airfreight, Inc. Chicago 14, Ill.
Kramer Bros. Transportation Co., The Boston, Mass.
Lifschultz Air Freight Chicago 6, Ill.
National Air Freight Forwarding Corp. New York 6, N.Y.
Ollendorff, Inc, H. G. New York 23, N.Y.
Pacific Air Freight, Inc. Seattle 88, Wash.
Pan-Maritime Cargo Service, Inc. New York, N. Y.
Parcelair New York 1, N. Y.
Republic Air Freight New York 1, N.Y.
Riteway Express, Inc. Westwood, N.J.
Shulman, Inc. Philadelphia 46, Pa.
Smith Inter-Ocean, Inc., J. D. New York 6, N.Y.
Sun Transporters, Inc. New York 13, N.Y.
United Parcel Service-Air, Inc. New York 16, N.Y.
Universal Air Freight Corp. New York 14, N.Y.
W. T. C. Air Freight Los Angeles 33, Cal.
Western Transportation Co., Inc. Los Angeles 33, Cal.
Wings and Wheels Express, Inc. Flushing 69, N.Y.
World Freight Forwarders (Air) Seattle 55, Wash.
World-Wide Services, Inc. New York 38, N.Y.
Yankee Air Express Boston 10, Mass.

FREIGHT FORWARDERS, SURFACE
Acme Fast Freight, Inc. New York, N.Y.
Consolidated Freightways, Inc. Portland, Ore.
Dohrn Transfer Co. Rock Island, Ill.
Lifschultz Fast Freight New York, N.Y.
Missouri-Kansas-Texas Lines St. Louis, Mo.
Midwest Freight Forwarding Co., Inc. Chicago 8, Ill.
National Carloading Corp. New York, N.Y.
Republic Carloading Corp. New York, N.Y.
Spencer & Son Corp., William New York, N.Y.
Surface Freight Corp. New York 13, N.Y.
Trans-Continental Freight Co. Chicago, Ill.
United Pool Car Distributors New York & Chicago
Universal Carloading & Distributing Co. New York 6, N.Y.

FREIGHT INSURANCE
Mid-Union Indemnity Co. Elgin, Ill.
Truck Insurance Exchange Los Angeles 54, Calif.

FREIGHT RATE ROUTING GUIDES

ATA Motor Carrier Directory	Atlanta, Ga.
Official Motor Freight Guide	Chicago, Ill.
Shippers Guide	Chicago, Ill.

G

GLUE, LIQUID AND FLEXIBLE

Adhesive Products Corp.	New York City
Arobol Mfg. Co.	New York 17, N.Y.
Glue-Fast Equipment Co., Inc.	**New York 13, N.Y.**
Manhattan Paste & Glue Co.	Brooklyn, N.Y.
Minnesota Mining & Mfg. Co.	Detroit, Mich.

GLUE BRUSHES

Baker Brush Co., Inc.	New York City
Grumbacher, M.	New York City
Manufacturers Brush Co.	Cleveland, Ohio
New Jersey Brush Mfg. Co., Inc.	Bloomfield, N.J.
Osborn Mfg. Co.	Cleveland, Ohio
Pittsburgh Plate Glass Co., Brush Div.	Baltimore, Md.

GLUE SPREADERS

Baray Products Co.	Detroit, Mich.
Ever-Seal Glues, Inc.	New York 36, N.Y.
Glue-Fast Equipment Co., Inc.	**New York 13, N.Y.**
Oliver Machine Co.	Grand Rapids, Mich.
Potdevin Machine Co.	**Teterboro, N.J.**

GLUING MACHINES

Baray Products Co.	Detroit, Mich.
Cooper Co., D. C.	Chicago 5, Ill.
Diagraph Bradley Industries, Inc.	Herrin, Ill.
Ever-Seal Glues, Inc.	New York 36, N.Y.
Ferguson Co., J. L.	Joliet, Ill.
Glue-Fast Equipment Co., Inc.	**New York 13, N.Y.**
Hummel Co., A. C.	Cincinnati 13, Ohio
King Sales & Engineering Co.	San Francisco, Calif.
Miller Wrapping & Sealing Machine Co.	Chicago 6, Ill.
New Jersey Machine Corp.	Hoboken, N.J.
Potdevin Machine Co.	**Teterboro, N.J.**

GRAVITY ROLLER CONVEYORS (See Conveyors, Gravity Roller)

GUIDES, FREIGHT RATE (See Freight Rate Routing Guides)

GUIDES, POSTAL (See Parcel Post Guides)

GUM, ADHESIVE

Cooper Co., D. C.	Chicago 5, Ill.
Glue-Fast Equipment Co., Inc.	**New York 13, N.Y.**
Findley Co., G. J.	Milwaukee, Wis.
Manhattan Paste & Glue Co.	Brooklyn, N.Y.
Paper Chemicals, Inc.	New York 1, N.Y.
National Adhesive Divn., Nat'l Starch Prod. Inc.	New York
Paisley Products	New York, N.Y.
Stein Hall & Co.	New York 17, N.Y.
Union Paste Co.	Hyde Park, Mass.

GUMMED FLAT PAPER (See Paper, Gummed, Flat)

GUMMED TAPE, Printed & Unprinted (See also listings under Tape)

Allied Gummed Products Co.	Brooklyn 31, N.Y.
Atlantic Gummed Paper Corp.	Brooklyn 1, N.Y.
Brown-Bridge Mills, Inc.	**Troy, Ohio**
Central Paper Co.	Menasha, Wis.

How Do You Glue?

Obsolete glue-pot

or

modern **Glue-Fast!**

$18.50
(6" model shown)
(9" & 12" models available)

Ungummed labels are economical, but glue-pots are messy and wasteful! GLUE-FAST applies the exact amount of glue to ungummed labels for maximum Grip. GLUE-FAST increases efficiency . . . reduces Shipping and Labeling Department costs as much as 30%!

10 DAY FREE TRIAL
No Obligation! Send request on business letterhead.

Glue News for NCR!
NCR (no carbon required) paper and labels can now be successfully glued with new GLUE-FAST glues!

GLUE-FAST EQUIPMENT COMPANY, Inc.
9M White Street
New York 13, N.Y.
Manufacturers of label-gluers and liquid glues for every purpose

POTDEVIN
Semi-Automatic Feed Label Paster

Instant adjustment for labels up to 7½" wide. Operator's hands always free. Speeds-up production with minimum effort. Write for literature.

ESTABLISHED IN 1893 POTDEVIN

POTDEVIN MACHINE CO.
208 North Street • Teterboro, N. J.

Designers and manufacturers of equipment for Bag Making, Printing, Coating, Laminating, Gluing and Labeling

Clark Bros. New York 18, N.Y.
Cromwell Paper Co. Chicago 32, Ill.
Crown Zellerbach Corp. San Francisco, Cal.
East Coast Paper Products Corp. Brooklyn, N.Y.
Edgewater Paper Co. Menasha, Wis.
Ever Ready Label Corp. Belleville, N.J.
General Gummed Products, Inc. Linden, N.J.
Gilman Paper Co. New York, N.Y.
Gummed Industries Assn. New York 36, N.Y.
Gummed Products Co. Troy, Ohio
Hudson Pulp & Paper Corp. New York 22, N.Y.
Ludlow Papers, Inc. Needham Heights 94, Mass.
Mid-States Gummed Paper Co. Bedford Park, Ill.
Mutual Gummed Tape Co. Winston-Salem, N.C.
Nashua Corporation Nashua, N.H.
Paper Mfgrs. Co., Inc. Philadelphia, Pa.
Post & Co., H. A. New York 19, N.Y.
Rexford Paper Co. Milwaukee, Wis.
St. Regis Sales Corp. New York 17, N.Y.
Superior Tape Corp. Brooklyn 22, N.Y.
Tanglefoot Co., The Grand Rapids, Mich.
Tape, Inc. Green Bay, Wis.

GUMMED TAPE DISPENSING MACHINES (See Sealing Machines, Gummed Tape, Automatic)

GUMMED TAPE PRINTING MACHINES
American Tape Printer Co. New York 10, N.Y.
Better Packages, Inc. Shelton, Conn.
Ever Ready Label Corp. Belleville, N.J.

GUMMED LABELS (See Labels)

GUMMED VENEER TAPES (See Tape, Gummed, Veneer)

H

HAMMER, SELF FEEDING MECHANICAL TACKING
Acme Staple Co. Camden, N.J.
Arrow Fastener Co., Inc. Brooklyn, N.Y.
Bostitch, Inc. East Greenwich, R.I.
Fastener Corp. Chicago 14, Ill.
Hansen Mfg. Co., A. L. Chicago 40, Ill.

HOISTS
Barrett-Cravens Co. Chicago 7, Ill.
Elwell-Parker Electric Co., The Cleveland, Ohio
Ingersoll Rand Co. New York City
Show Box Crane & Hoist Co. Muskegon, Mich.

HOISTS, CARGO, ELECTRIC
Euclid Crane & Hoist Co. Euclid, Ohio
Harnischfeger Corp. Milwaukee, Wis.
Lidgerwood Manufacturing Co. Elizabeth, N.J.
Northern Engineering Works Detroit, Mich.

HOISTS, CHAIN
Richards-Wilcox Mfg. Co. Aurora, Ill.
Shaw Box Crane & Hoist Co. Muskegon, Mich.
Yale & Towne Mfg. Co. Philadelphia, Pa.

HOOPS, BARREL, FLAT, STEEL
Acme Steel Co. Chicago 8, Ill.
Pittsburgh Steel Co. Pittsburgh, Pa.

HOPPER CAR WRENCHES
Industrial Products Co. Philadelphia 33, Pa.

HUMIDITY INDICATORS
Cooper Co., D. C. Chicago 5, Ill.
Davison Chemical Corp. Baltimore 3, Md.

I

IMPACT ISOLATORS
Bausenbach, Inc., A. E. Buffalo 2, N.Y.

IMPACT REGISTERS
Impact Register Co. Champaign, Ill.
Impact-O-Graph Co. Cleveland, Ohio

INDENTED BOARD
Loroco Industries, Inc. Reading 15, Ohio

INDUSTRIAL TRACTORS
Allis-Chalmers Mfg. Co. Milwaukee, Wis.
Atlas Car & Mfg. Co. Cleveland, Ohio
Automatic Transportation Co. Chicago 20, Ill.
Case Co., J. L. Racine, Wis.
Clark Equipment Co., Tructractor Div. Battle Creek 65, Mich.
Deere, John, Tractor Co. Waterloo, Iowa
Elwell-Parker Electric Co., The Cleveland, Ohio
Yale & Towne Mfg. Co. Philadelphia, Pa.

INDUSTRIAL TRUCKS (See Trucks, Industrial)

INKS, MARKING AND STENCIL
Addressograph-Multigraph Corp. Cleveland, Ohio
Alexander Co., W. H. N. Y. 13 and Phila. 6
Binney & Smith Co. New York 17, N. Y.
Bradley, A. J., Mfg. Co. Long Island City, N. Y.
Carter's Ink Co. Boston, Mass.
Cooper Co., D. C. Chicago 5, Ill.
Cushman and Denison Mfg. Co. Carlstadt, N. J.
D. and A. Co. Bridgeport, Conn.
Diagraph-Bradley Industries, Inc. Herrin, Ill.
Eastern Service & Supply Co. Somerville, Mass.
Evans & Convery Philadelphia 6, Pa.
Floquil Products, Inc. Cobleskill, N. Y.
Force & Co., Inc., Wm. A. New York 13, N. Y.
Garvey Fountain Brush & Ink Co. St. Louis, Mo.
Hanline, H. G, Co., Inc. Philadelphia 6, Pa.
Ideal Stencil Machine Co. Belleville, Ill.
Illinois Bronze Powder Co., Inc. Chicago 16, Ill.
Marhar Mfg. Co. East Orange, N. J.
Marsh Stencil Machine Co. Belleville, Ill.
Melind & Co., Louis Chicago, Ill.
Phelan-Faust Paint Mfg. Co. St. Louis 11, Mo.
Print-O-Matic Co., Inc. Chicago 54, Ill.
Reynolds Ink, Inc. Cleveland 3, Ohio
Rivet-O Mfg. Co. Orange, Mass.
Ronan, T. J., Co., Inc. New York City
Schwerdtle Stamp Co. Bridgeport, Conn.
Speedry Products, Inc. New York 6, N. Y.
Sten-C-Labl, Inc., St. Paul, Minn.
Superior Type Co. Chicago, Ill.
Universal Fountain Brush Co. St. Petersburg, Fla.
Weber Addressing Machine Co. Mt. Prospect, Ill.

INKS, STAMP PAD
Carter's Ink Co. Boston, Mass.
Cushman and Denison Mfg. Co. Carlstadt, N. J.
Floquil Products, Inc. Cobleskill, N. Y.
Force, Wm. A. & Co., Inc. New York 13, N. Y.
Louis Melind and Co. Chicago, Ill.
Rivet-O Mfg. Co. Orange, Mass.
Superior Type Co. Chicago, Ill.
Weber Addressing Machine Co. Mt. Prospect, Ill.

INTER-COMMUNICATION SYSTEMS
Tel Autograph Corp. New York 23, N. Y.

INTERCHANGEABLE LOCK STENCILS (See Stencils, Interchangeable)

K

KEGS (See Barrels)

KNIVES, BOARD AND CARTON

Flash Box Opener Co.	New York 12, N. Y.
Mark Specialty Co.,	Rochester 4, N. Y.
Modern Specialties Co.	Chicago 23, Ill.
Stanley Works	New Britain, Conn.

KNIVES (for Shredding Machines, Paper, Cutters Etc.)

Industrial Shredder & Cutter Co.	Salem, Ohio
Mitts & Merrill	Saginaw, Mich.
Taylor-Stiles & Co.	Riegelsville, N. J.

KRAFT PAPER (See Paper, Kraft)

L

LABELS

American Tag Co.	Belleville, N. J.
Dennison Mfg. Co.	Framingham, Mass.
Ever Ready Label Corp.	Belleville, N.J.
Hollander, Allen, Co., Inc.	New York, N. Y.
May, J. L.	New York City
Merle Sears Paper Box Co.	Danville, Ill.
Rexford Paper Co.	**Milwaukee 9, Wis.**
Weber Marking Systems, Div. Weber Addressing Machine Co.	**Mt. Prospect, Ill.**

LABEL MACHINERY (See Machinery, Label)

LABEL MOISTENERS

Baray Products Co.	Detroit, Mich.
Better Packages, Inc.	Shelton, Conn.
Derby Sealers, Inc.	Derby, Conn.
Diagraph-Bradley Industries, Inc.	Herrin, Ill.
Glue-Fast Equipment Co., Inc.	**New York 13, N. Y.**
Hummel Co., A. C.	Cincinnati 13, Ohio
Seal-O-Matic Dispenser Corp.	Newark, N. J.
Nashua Co.	Nashua, N. H.
Potdevin Machine Co.	**Teterboro, N. J.**

LABEL PRINTING DEVICES

American Tape Printer Co.	New York, N. Y.
Cooper Co., D. C.	Chicago 5, Ill.
Multistamp Co.	Norfolk, Va.
Print-O-Matic Co., Inc.	Chicago 54, Ill.
Sten-C-Labl	**St. Paul 4, Minn.**
Weber Addressing Machine Co.	**Mt. Prospect, Ill.**

LABORATORIES, CONTAINER TESTING

Container Laboratories, Inc.	New York 10, N. Y.
Quinn Co., Don L.	Chicago, Ill.

LADING, BILLS OF (See Bill of Lading)

LEAD SEALS (See Seals, Lead)

LIFT GATES

Anthony Co.	Streator, Ill.
Perfection Steel Body Co.	Galion, O.
Stratton Equipment Co.	Cleveland, O.

LINERS, BARREL, WATERPROOF

American Sisalkraft Corp	Attleboro, Mass.
Arkell Safety Bag Co.	New York 17, N.Y.
Chase Bag Co.	Chicago 6, Ill.
Kennedy Car Liner & Bag Co.	Shelbyville, Ind.
Ludlow Papers, Inc.	Needham Heights 94, Mass.
Mid-States Gummed Paper Co.	Chicago 8, Ill.
Rochester Case Liner Co.	Rochester 4, N.Y.

LINERS, CAR (See Car Liners)

American Siskalkraft Corp.	Attleboro, Mass.
Chippewa Paper Products Co., Inc.	Chicago 32, Ill.
Feaver Paper Co., John H.	Bala-Cynwyd, Penna.
Fierst Industrial Products	Chicago 16, Ill.
Gair Co., Inc., Robert	New York 17, N.Y.
Glas-Kraft, Inc.	Lonsdale, R.I.
Hinde Dauch Paper Co.	Sandusky, Ohio
Jiffy Mfg. Co.	Hillside, N.J.
Kalamazoo Vegetable Parch. Co.	Kalamazoo, Mich.
Ludlow Papers, Inc.	Needham Heights 94, Mass.
Mid-States Gummed Paper Co.	Chicago 8, Ill.
Nashua Co.	Nashua, N.H.
Reynolds Metals Co.	Richmond, Va.
Sherman Paper Products Corp.	Newton Upper Falls, Mass.

LINERS, CARTON

American Sisalkraft Corp.	Attleboro, Mass.
Ever Ready Label Corp.	Belleville, N.J.
Fenton Label Co.	Philadelphia, Pa.
Chippewa Paper Products Co., Inc.	Chicago 32, Ill.
Cooper Co., D. C.	Chicago 5, Ill.
Cromwell Paper Co.	Chicago 32, Ill.
Ludlow Papers, Inc.	Needham Heights 94, Mass.
Mid-States Gummed Paper Co.	Chicago 8, Ill.
Nashua Package Sealing Co.	Nashua, N.H.
Pictorial Paper Products Corp.	Aurora, Ill.
Post-Pac Pocket Label Co.	Chicago, Ill.
Protective Coatings Corp.	Clifton, N.J.
Rexford Paper Co.	**Milwaukee, Wis.**
St. Louis Sticker Co., The	Chicago, Ill.
Shuman, Frank G. Co.	Chicago, Ill.

LINERS, CRINKLED PAPER, FOR BAGS, BARRELS & BOXES

American Sisalkraft Corp.	Attleboro, Mass.
Chase Bag Co.	Chicago, Ill.

LOADERS, MACHINERY

Anthony Co.	Streator, Ill.
Gerrard Steel Strappings Divn., U. S. Steel	Chicago 32, Ill.
Lidgerwood Mfg. Co.	Elizabeth, N.J.

LOADERS, PLATFORM

Anthony Co.	Streator, Ill.
Barrett-Cravens Co.	Chicago, Ill.
General Steel Castings Corp.	Eddystone, Pa.

LOCK NUTS

Grip Nut Co.	Chicago 4, Ill.

M

MACHINES, LABEL PRINTING

Cooper Co., D. C.	Chicago 5, Ill.
Multistamp Co.	Norfolk, Va.
Weber Addressing Machine Co.	**Mt. Prospect, Ill.**

MACHINERY, LABEL

Diagraph-Bradley Industries	Herrin, Ill.

Ferguson Co., J. L. ..... Joliet, Ill.
Glue-Fast Equipment Co., Inc. New York 13, N.Y.
Master Addresser Co. ..... Minneapolis 16, Minn.
Multistamp Co., Inc. ..... Norfolk, Va.
Potdevin Machine Co. ..... Teterboro, N.J.
Seal-O-Matic Dispenser Corp. ..... Newark, N. J.
Weber Addressing Machine Co. Mt. Prospect, Ill.

MAILING BAGS (Also see under Bags)
Bemis Bros. Bag Co. ..... St. Louis, Mo.
Chase Bag Co. ..... Chicago 6, Ill.
Grossman, S., & Son ..... New York City
Jiffy Mfg. Co. ..... Hillside, N.J.
Raymond Bag Co. ..... Middletown, Ohio
Werthan Bag Corp. ..... Nashville, Tenn.

MAILING BOXES
Calumet Carton Co. ..... Harvey, Ill.
Deisroth Co., Inc., W. H. ..... Philadelphia, Pa.
Fibreboard Products, Inc. ..... San Francisco, Cal.
Gair Co., Inc., Robert ..... New York 17, N.Y.
Hinde & Dauch Paper Co. ..... Sandusky, Ohio
Merle Sears Paper Box Co. ..... Danville, Ill.
Morris Paper Mills, Inc. ..... Chicago, Ill.

MAILING CANS
Fibreboard Products, Inc. ..... San Francisco, Cal.
Mason Box Co. ..... Attleboro Falls, Mass.
National Vulcanized Fibre Co. ..... E. Wilmington, Del.
Sefton Fibre Can Co. ..... St. Louis, Mo.

MAILING CARTONS
Calumet Carton Co. ..... Harvey, Ill.
Deisroth Co. Inc., W. H. ..... Philadelphia, Pa.
Fibreboard Products, Inc. ..... San Francisco, Cal.
Hanline Co., Inc., H. G. ..... Philadelphia 6, Pa.
Mason Box Co. ..... Attleboro Falls, Mass.
Merle Sears Paper Box Co. ..... Danville, Ill.
National Folding Box Co. ..... New Haven, Conn.
Post & Co., H. A. ..... New York 19, N.Y.

MAILING DEVICES, MACHINERY
Addressograph-Multigraph Corp. ..... Cleveland, Ohio
Binney & Smith, Inc. ..... New York 17, N.Y.
Garvey Fountain Brush and Ink Co. ..... St. Louis, Mo.
Marsh Stencil Machine Co. ..... Belleville, Ill.
Multistamp Co. ..... Norfolk, Va.
Pitney-Bowes, Inc. ..... Stamford, Conn.
Speedry Products, Inc. ..... New York 6, N.Y.
Weber Addressing Machine Co. Mt. Prospect, Ill.

MARKING PENS
Binney & Smith ..... New York, N.Y.
Cushman and Dennison Mfg. Co. ..... Carlstadt, N.J.
Flash Mfg. Co. ..... Newark 5, N. J.
Force & Co., Inc., Wm. A. ..... New York 13, N.Y.
Garvey Fountain Brush Co. ..... St. Louis, Mo.
Ideal Stencil Machine Co. ..... Belleville, Ill.
Multistamp Co., Inc. ..... Norfolk, Va.
Mutual Paper Co. ..... New York 1, N.Y.
Speedry Products, Inc. ..... New York 6, N.Y.
Universal Fountain Brush Co. ..... St. Petersburg, Fla.
Weber Addressing Machine Co. Mt. Prospect, Ill.

MARKING COLORS AND INKS (See Inks)
METERS, POSTAGE (See Mailing Devices)
MOISTENERS, LABEL (See Label Moisteners)
MOTOR FREIGHT CARRIERS
(See Shipper's Guide to Motor Freight Carriers on Page 8)

Names in **BOLD FACE** Are Advertisers In This Issue—See Advertiser's Index, Page 62

MOTOR TRUCK SCALES (See Scales, Platform)
MOVERS, FREIGHT CAR (See Car Movers)
MOVING
Neptune World-Wide Moving ..... New Rochelle, N. Y.
Werner-Kennelly Co. ..... Chicago 14, Ill.
Wheaton Van Lines, Inc. ..... Indianapolis, Ind.

MULTIPLE FORMS
American Register Corp. ..... Boston, Mass.
Autographic Register Co. ..... Hoboken, N.J.
Egri Manufacturing Co. ..... Dayton, Ohio
Gavrin Press, Inc. ..... New Rochelle, N.Y.
Hamilton Autographic Register Co. ..... Hamilton, Ohio
Multistamp Co., Inc. ..... Norfolk, Va.
Standard Register Co. ..... Dayton, Ohio
United Autographic Register Co. ..... Chicago, Ill.

NAILING MACHINES
Acme Staple Co. ..... Camden, N.J.
Automatic Stapler Co. ..... Chicago, Ill.
Auto-Nailer Co. ..... Atlanta 3, Ga.
Bostitch, Inc. ..... East Greenwich, R.I.
Eagle Nailing Machine Co., Inc. ..... San Francisco, Cal.
General Staple Corp. ..... New York 3, N.Y.
International Staple & Machine Co., ... Herrin, Ill.
Powers Wire Products Co. ..... Los Angeles 32, Calif.
Precision Staple Corp. ..... New York 3, N.Y.
Saranac Machine Co. ..... Benton Harbor, Mich.

NAILS
Acme Staple Co. ..... Camden, N.J.
Acme Steel Co. ..... Camden, N.J.
American Steel & Wire Co. ..... Chicago, Ill.
Belfont Steel & Wire Co. ..... Ironton, Ohio
Bethlehem Steel Co. ..... Bethlehem, Pa.
Clamp Nail Co. ..... Chicago, Ill.
Gerrard & Co., A. J. ..... Melrose Park, Ill.
Independent Nail & Packing Co. ..... Bridgewater, Mass.
Inland Wire Products Co. ..... Chicago 9, Ill.
Stanley Co. ..... Belleville, Ill.
Wickwire Spencer Steel Co. ..... New York City

NUMBERING MACHINES, SHIPPING CASE
Ferguson Co., J. L. ..... Joliet, Ill.
Force, Wm. A. & Co., Inc. ..... New York 13, N. Y.
Industrial Marking Equipment ..... Brooklyn 17, N.Y.

O

OBLITERATING, INK, COLORS (See Inks, Marking and Stencil)

P

PACKAGE DESIGN AND RESEARCH
Container Laboratories, Inc. ..... New York 10, N. Y.
PACKAGE HANDLING MACHINERY (See Conveyors)
PACKAGE OPENERS
Modern Specialties Co. ..... Chicago 23, Ill.

PACKAGE TAPING MACHINERY (See Sealing Machines, Gummed Tape, Automatic)

PACKAGE TESTING (See Testing, Package)

PACKAGE TYING MACHINES

Acme Steel Co. ..... Chicago 8, Ill.
Bunn Co., B. H. ..... Chicago, Ill.
Gerrard, A. J. & Co. ..... Melrose Park, Ill.
Gerrard Steel Strapping Divn., U. S. Steel ..... Chicago 32, Ill.
Inland Wire Products Co. ..... Chicago 9, Ill.
National Bundle Tyer Co. ..... Blissfield, Mich.
Renois Typing Machine Co. ..... Chicago, Ill.
Signode Steel Strapping Co. ..... Chicago, Ill.
Stanley Works, The ..... New Britain, Conn.

PACKAGING MATERIALS

American Sisalkraft Corp. ..... Attleboro, Mass.
Armour & Co. ..... Chicago, Ill.
Burkart Mfg. Co., F. ..... St. Louis 7, Mo.
..... Lockland, Cincinnati 15, Ohio
Chippewa Paper Products Co., Inc. ..... Chicago 32, Ill.
Cooper Co., D. C. ..... Chicago 5, Ill.
Feaver Paper Co., John H. ..... Bala-Cynwyd, Penna.
Fibleco Illinois Corp. ..... Chicago 6, Ill.
Fierst Industrial Products ..... Chicago 16, Ill.
Fox Paper Co. ..... Cincinnati, Ohio
Gilman Paper Co. ..... New York, N. Y.
Hanline Co., Inc., H. G. ..... Philadelphia 6, Pa.
Hedden Packaging Co. ..... Newark 7, N. J.
Kimberly-Clark Corp. ..... Neenah, Wis.
King & Co., Charles E. ..... Chicago 22, Ill.
Ludlow Papers, Inc. ..... Needham Heights 94, Mass.
Mid-States Gummed Paper Co. ..... Chicago 8, Ill.
Post & Co., H. A. ..... New York 19, N. Y.
Progressive Industries, Inc. ..... N. Y., N. Y.
Protective Coatings Corp. ..... Clifton, N. J.
Queen City Tulatex Co. ..... Burlington, Vt.
Shellmar Products Corp., ... Mt. Vernon, Ohio
Sherman Paper Products Corp. ..... Newton Upper Falls, Mass.
Stearns & Foster Co.
Vanant Products, Inc. ..... Milwaukee 2, Wis.
Wood Conversion Co. ..... St. Paul 1, Minn.

PACKAGING LIST PROTECTORS

Fabricated Products Co. ..... West Newton, Pa.
Fierst Industrial Products ..... Chicago 16, Ill.
King & Co., Charles E. ..... Chicago 22, Ill.

PACKERS, EXPORT

William Spencer and Son Corp. ..... New York N. Y.

PACKAGING MATERIAL, ABSORBENT

F. Burkart Mfg. Co. ..... St. Louis, Mo.
Cooper Co., D. C. ..... Chicago 5, Ill.
General Cellulose Co. ..... Garwood, N. J.
Kimberly-Clark Corp. ..... Neenah, Wis.
Loroco Industries, Inc. ..... Reading 15, Ohio
Queen City Tulatex Co. ..... Burlington, Vt.
Wood Conversion Co. ..... St. Paul 1, Minn.

PACKAGING PADS (See Also Excelsior Pads)

American Excelsior Corp. ..... Chicago 22, Ill.
American Forest Products Co. ..... Philadelphia 21, Pa.
Atlantic Excelsior Company, Inc. ..... Boston 29, Mass.
Atlantic Excelsior Company, Inc. ..... New York 1, N.Y.
Armour & Co. ..... Chicago, Ill.
Burkhart Mfg. Co., F. ..... St. Louis 7, Mo.
Chippewa Paper Products Co., Inc. ..... Chicago 32, Ill.
Excelsior Mills Corp. ..... Gainesville, Fla.
Excelsior Supply Co. ..... Newark 5, N.J.
General Cellulose Co. ..... Garwood, N.J.
Jet-Pak, Inc. ..... Newark 4, N.J.
Jiffy Mfg. Co. ..... Hillside, N. J.
Kimberly-Clark Corp. ..... Neenah, Wis.
Queen City Tulatex Co. ..... Burlington, Vt.
Sherman Paper Products Corp. ..... Newton Upper Falls, Mass.
Vanant Products Inc. ..... Milwaukee 2, Wis.
Wood Conversion Co. ..... St. Paul 1, Minn.

PADS, EXCELSIOR (See Excelsior)

PAINT, OBLITERATING (See Ink, Marking)

PALLETIZING ADHESIVES (See Glue)

PALLET NAILS

Independent Nail & Packing Co. ..... Bridgewater, Mass.

PALLETS EXPENDABLE, CORRUGATED

American Products, Inc. ..... New York, N.Y.
Gair Co., Inc., Robert ..... New York, N.Y.
Signode Steel Strapping Co. ..... Chicago 47, Ill.
Titan Pallet Co., Inc. ..... New York 17, N.Y.

PALLETS EXPENDABLE, WOOD

American Box Co. ..... Cleveland, O.
Acme Pallet Co. ..... New York 38, N.Y.
Arkansas Pallet Co. ..... Pine Bluff, Ark.
Bathey Mfg. Co. ..... Plymouth, Mich.
California Barrell Co., Ltd. ..... San Francisco, Calif.
Canada Crate Co., Ltd. ..... St. Johns, Que.
Fraser Co., Ltd., Kenneth S. ..... Toronto, Ont.
Hopkinsville Pallet Co., Inc. ..... Detroit, Mich.
House Wood Products Co. ..... Morris Run, Pa.
Industrial Pallet Co. ..... New York 7, N.Y.
Ironbound Box & Lumber Co. ..... Hillside, N.J.
Lange & Crist Box & Lumber Co. ..... Clarksburg, W. Va.
Liftruck & Equipment, Inc. ..... Seattle, Wash.
Lok-Rak Corp. of America ..... East Hartford 8, Conn.
Maine Paper Tube Corp. ..... Gardiner, Me.
Mead Board Sales, Inc. ..... Lynchburg 2, Va.
Pallet Sales Corp. ..... New York 17, N.Y.
Perkins Lumber Co., J. R. ..... St. Louis 1, Mo.
Rathborne, Hair & Ridgway Box Co. ..... Chicago, Ill.
Re-Bo Co., Inc. ..... New York, N.Y.
Robinson Co., Frank L. ..... Oakland, Calif.
Roseland Wirebound Box Co., The ..... Roseland, La.
Signode Steel Strapping Co. ..... Chester 47, Ill.
Southern Lumber & Mfg. Co. ..... New York, N.Y.
Williford Mfg. Co. ..... Memphis, Tenn.
Wood Pallet Co. ..... New York, N.Y.

PALLETS & SKIDS

Evans Products Co. ..... Detroit, Mich.
General Box Co. ..... Des Plaines, Ill.
Pallet Sales Corp. ..... New York City
Rathborne, Hair & Ridgway Box Co. ..... Chicago, Ill.

PALLET STACKING FRAMES

Tier-Rack Corp. ..... St. Louis 1, Mo.
Tier-Rack Southern Corp. ..... New York, N.Y.

PANS, GLUE (See Listing Under Glue)

PAPER BAGS (See Bags, Paper)

PAPERBOARD

Chippewa Paper Products Co., Inc. Chicago 32, Ill.
Feaver Paper Co., John H. Bala-Cynwyd, Penna.
Gair Co., Inc. Robert New York 17, N.Y.
Loroco Industries, Inc. Reading 15, Ohio
Shelton Mfg. Co., Inc. Newark 5, N.J.

PAPER, CORRUGATED

Chippewa Paper Products Co., Inc. Chicago 32, Ill.
Container Corp. of America Chicago, Ill.
Feaver Paper Co., John H. Bala-Cynwyd, Penna.
Fox Paper Co. Cincinnati, Ohio
Gair Co., Inc. Robert New York 17, N.Y.
Gaylord Container Corp. St. Louis, Mo.
Hinde & Dauch Paper Co. Sandusky, Ohio
Inland Container Corp. Indianapolis, Ind.
Loroco Industries, Inc. Reading 15, Ohio
Post, H. A., & Co. New York 19, N.Y.
Shelton Mfg. Co., Inc. Newark 5, N.J.
Sherman Paper Products Corp. Newton Upper Falls, Mass.

PAPER CUTTERS, CORRUGATED PAPER

Bulman Mfg. Co., E. O. Grand Rapids 2, Mich.
Chippewa Paper Products Co., Inc. Chicago 32, Ill.
Hinde & Dauch Paper Co. Sandusky, Ohio
Modern Specialties Co. Chicago 23, Ill.
Packers Pal Chicago 39, Ill.
Sherman Paper Products Corp. Newton Upper Falls, Mass.

PAPER FASTENERS, STAPLERS

Acme Staple Co. Camden, N.J.
Arrow Fastener Co., Inc. Brooklyn 6, N.Y.
Bostitch, Inc. East Greenwich, R.I.
Fastener Corp. Chicago 14, Ill.
General Staple Corp. New York 3, N.Y.
Hansen Mfg. Co., A. L. Chicago 40, Ill.
Inland Wire Products Co. Chicago 9, Ill.
Markwell Mfg. Co. New York, N.Y.
Neva Clog Products, Inc. Bridgeport, Conn.
Seal-O-Matic Dispenser Corp. Newark, N. J
Star Paper Fastener Co. Norwalk, Conn.

PAPER, GREASEPROOF (See also Paper, Waterproof Wrapping; Vapor Phase Inhibiting Papers, and Wrap, Vapor Barrier)

American Sisalkraft Corp. Attleboro, Mass.
Arvey Corp. Chicago 18, Ill.
Atlas Pkge. and Cont. Corp.—Div. of Protective Coatings Corp. Clifton, N.J.
Cooper Co., D. C. Chicago 5, Ill.
Dearborn Chemical Co. Chicago 4, Ill.
Dennison Mfg. Co. Framingham, Mass.
Feaver Paper Co., John H. Bala-Cynwyd, Penna.
Fierst Industrial Products Chicago 16, Ill.
Fox Paper Co. Cincinnati, Ohio
Glas-Kraft, Inc. Lonsdale, R.I.
King & Co., Charles E. Chicago 22, Ill.
Mid-States Gummed Paper Co. Chicago 8, Ill.
Rapinwax Paper Co. Chicago 8, Ill.
Sherman Paper Products Corp. Newton Upper Falls, Mass.
Thilmany Pulp & Paper Co. Kaukauna, Wisc.

PAPER, GUMMED, FLAT

Atlantic Gummed Paper Co. Brooklyn 1, N.Y.
Brainard Steel Co. Warren, Ohio
Brown-Bridge Mills, Inc. Troy, Ohio
Central Paper Co. Menasha, Wis.
Denison Mfg. Co. Framingham, Mass.
Gilman Paper Co. New York, N.Y.
Gummed Industries Ass'n. New York 36, N.Y.
Gummed Products Co. Troy, Ohio
Hudson Pulp & Paper Corp. New York 22, N.Y.
Ludlow Papers, Inc. Needham Heights 94, Mass.
Mid-States Gummed Paper Co. Chicago 8, Ill.
Mutual Gummed Tape Co. Winston-Salem, N.C.
Nashua Gummed & Coated Paper Co. Nashua, N.H.
Paper Manufacturers Co., Inc. Philadelphia, Pa.
Rexford Paper Co. Milwaukee, Wis.
St. Regis Paper Co. New York City

PAPER, KRAFT, ASPHALT LAMINATED (also see Paper, Waterproof Wrapping)

Crown Zellerbach Corp. San Francisco, Cal.
Hudson Pulp & Paper Corp. New York 22, N.Y.
American Excelsior Corp. Chicago, Ill.
American Forest Products Co. Philadelphia 21, Pa.
Atlantic Excelsior Company, Inc. Boston 29, Mass.
Atlantic Excelsior Company,Inc. New York 1, N.Y.
Excelsior Supply Co. Newark 5, N.J.
Gummed Products Co. Troy, Ohio
Hanline, H. G. Philadelphia 6, Pa.

PAPER SHREDDING MACHINES (also see Shredding Machines)

Industrial Shredder & Cutter Co. Salem, O.
Taylor-Stiles & Co. Riegelsville, N. J.

PAPER, GUMMED, STAY

Atlantic Gummed Paper Corp. Brooklyn 1, N.Y.
Brown-Bridge Mills, Inc. Troy, Ohio
Central Paper Co. Menasha, Wis.
Gilman Paper Co. New York, N.Y.
Gummed Industries Ass'n. New York 36, N.Y.
Gummed Products Co. Troy, Ohio
Hudson Pulp & Paper Corp. New York 22, N.Y.
Ludlow Paper, Inc. Needham Heights 94, Mass.
Mid-States Gummed Paper Co. Chicago 8, Ill.
Mutual Gummed Tape Co. Winston-Salem, N.C.
Nashua Nashua, N.H.
Rexford Paper Co. Milwaukee, Wis.
Tape, Inc. Green Bay, Wisc.

PAPER TAPE, GUMMED (See Tape, Gummed)

PAPER, TISSUE

Clark Bros. New York 18, N. Y.
Crystal Tissue Co. Middletown, Ohio
Dennison Mfg. Co. Framingham, Mass.

PAPER, WATERPROOF WRAPPING (See also Vapor Phase Inhibiting Paper and Paper, Greaseproof)

American Sisalkraft Corp. Attleboro, Mass.
Arkell Safety Bag Co. New York 17, N.Y.
Arvey Corp. Chicago 18, Ill.
Central Paper Co. Menasha, Wis.
Cooper Co., D. C. Chicago 5, Ill.
Cromwell Paper Co. Chicago 32, Ill.
Crown Zellerbach Corp. San Francisco, Cal.
Dearborn Chemical Co. Chicago 4, Ill.
Dennison Mfg. Co. Framingham, Mass.

Feaver Paper Co., John H. Bala-Cynwyd, Penna.
Fierst Industrial Products Chicago 16, Ill.
Fox Paper Co. Cincinnati, Ohio
Gilman Paper Co. New York, N.Y.
Glas-Kraft, Inc. Lonsdale, R.I.
Kalamazoo Vegetable Parch. Co. Kalamazoo, Mich.
Kennedy Car Liner & Bag Co. Shelbyville, Ind.
Ludlow Papers, Inc. Needham Heights 94, Mass.
Marvellum Co. Holyoke, Mass.
Mid-States Gummed Paper Co. Chicago 8, Ill.
Orchard Paper Co. St. Louis, Mo.
Protective Coatings Corp. Clifton, N.J.
Rapinwax Paper Co. Chicago 1, Ill.
Rexford Paper Co. Milwaukee, Wis.
Sherman Paper Products Corp. Newton Upper Falls, Mass.
St. Regis Paper Co. New York City
Th'lmany Pulp & Paper Co. Kaukauna, Wisc.
Union Bag-Camp Paper Corp. New York City
Vanant Products, Inc. Milwaukee 2, Wisc.

PAPER WADDING, CELLULOSE
General Cellulose Co. Garwood, N.J.
Kimberly-Clark Corp. Neenah, Wis.

PARCEL POST GUIDES
Leonard, G. R. & Co. Chicago 6, Ill.
Pitney-Bowes, Inc. Stamford, Conn.

PARCEL POST METER (See Mailing Devices)

PARCEL POST SCALES (See Scales, Mail)

PASTE
Arabol Mfg. Co. New York 17, N.Y.
Cooper Co., D. C. Chicago 5, Ill.
Findley Co., F. G. Milwaukee, Wis.
Glue-Fast Equipment Co. New York 13, N.Y.
Manhattan Paste & Glue Co. Brooklyn, N.Y.
National Adhesives Division of National Starch Products, Inc. New York City
Paisley Products Inc. Chicago 16, Ill.
Stein Hall & Co. New York 17, N.Y.
Union Paste Co. Hyde Park, Mass.

PENCILS, SPECIAL
American Crayon Co. Sandusky, O.
Binney & Smith Co. New York 17, N.Y.

PENS FOR MARKING (See Marking Pens)

PILING MACHINES
Automatic Transportation Co. Chicago 20, Ill.
Barrett-Cravens Co. Chicago, Ill.
Clark Equipment Co. Battle Creek 65, Mich.
Colson Corp., The Elyria, Ohio
Economy Engineering Co. Chicago, Ill.
Elwell-Parker Electric Co., The Cleveland, Ohio
Lewis-Shepard Prods., Inc. Watertown 72, Mass.
Revolvator Co. N. Bergen, N. J.

PLASTIC MELTING TANKS
Aeroil Products Co., Inc. South Hackensack, N.J.
Cooper Co., D. C. Chicago 5, Ill.

PLATFORM, SKID OR LIFT TRUCK
Automatic Transportation Co. Chicago 20, Ill.
Barrett-Cravens Co. Chicago, Ill.
Colson Corp. ,The Elyria, Ohio
Elwell-Parker Electric Co., The Cleveland, Ohio
Fairbanks Co., The New York 3, N.Y.

PLIOFILM SHEETS AND BAGS
Diaphane Corp. Philadelphia, Pa.
Goodyear Rubber Co. Akron, Ohio
Kennedy Car Liner & Bag Co. Shelbyville, Ind.
Plax Corp. Hartford, Conn.
Rochester Case Liner Co. Rochester 4, N.Y.

PNEUMATIC DISPATCH TUBES
Lamson Corp., The Syracuse 1, N.Y.

POSTAGE GUIDES (See Parcel Post Guides)

POSTAGE METERS (See Mailing Devices)

POWER STITCHERS
Acme Staple Co. Camden, N.J.
Acme Steel Co. Chicago 8, Ill.
Bostitch, Inc. East Greenwich, R.I.
Dexter Folder Co. Boston, Mass.
General Staple Corp. New York 3, N.Y.
Hanline Co., H. G. Philadelphia 6, Pa.
Heller Co., The Cleveland, Ohio
Ideal Stitcher & Mfg. Co. Chicago, Ill.
International Staple & Machine Co. Herrin, Ill.
Mid-States Steel & Wire Co. Crawfordsville, Ind.
Powers Wire Products Co. Los Angeles 32, Calif.
Saranac Machine Co. Benton Harbor, Mich.

PRESSES, BALING
Economy Baler Co. Ann Arbor, Mich.
Saco-Lowell Shops Boston, Mass.
Watson-Stillman Co. Roselle, N.J.

PRESSURE-SENSITIVE TAPE (See Tape, Pressure-Sensitive)

PRINTERS, GUMMED TAPE
American Tape Printer Co. New York 10, N.Y.
Ever Ready Label Corp. Belleville, N.J.
Better Packages, Inc. Shelton, Conn.

PRINTER, ROLLER TYPE
Algene Marking Equipment, Inc. New York 10, N.Y.
Gottscho Co., Adolph Hillside, N.J.

PROTECTIVE COATINGS, STRIPPABLE PLASTIC
Atlas Pkge. and Cont. Corp.—Div. of Protective Coatings Corp. Clifton, N.J.
Cooper Co., D. C. Chicago 5, Ill.
Hollingshead Corp. Camden, N.J.
Progressive Industries, Inc. New York, N.Y.
Riley & Geehr, Inc. Chicago 14, Ill.

R

RACKS, STORAGE
Artco Corporation Flourtown, Pa.
Economy Engineering Co. Chicago, Ill.
Lewis-Shepard Co. Boston, Mass.
Lyon Metal Products, Inc. Aurora, Ill.

REINFORCED GUMMED TAPE (See Tape, Gummed, Reinforced)

RESIN CEMENTS AND DEXTRINES
Paisley Products, Inc. Chicago 16, Ill.

REVOLVING DRUM TESTING MACHINES (See Testing Machines)

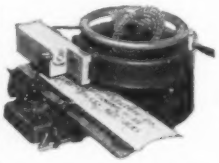
RIDE RECORDERS
Impact Register Co. Champaign, Ill.
Impact-O-Graph Co. Cleveland Ohio

ROLLER MARKING
Algene Marking Equipment, Inc. New York 10, N.Y.
Force & Co., Inc., Wm. A. New York 13, N.Y.
Gottscho Co., Adolph Hillside 5, N.J.

ROUTING GUIDE (See Freight Rate Routing Guides)

Break up "break-downs" and open your shipping room to fast merchandise flow with these Ideal Stencil packaging and marking devices that are modern . . . and reliable.

Ideal ELECTRIC CLIP-A-TAPE Model 200-E, measures, moistens, delivers, and cuts tapes 4" to 105" long at a finger touch. Two models available: one features thermostatically-controlled internal heated water well, 1 to 4" width tape capacity, and is finished in red; the other handles tapes 1 to 3" wide, has on-off switch heat control, and gray finish.



IDEAL Stencil Machine with the new "Power Pack" air operated, push button controlled cutting mechanism. Just a touch on the button and the letter is cut . . . swiftly, effortlessly. Ideal STENCIL MACHINE also available in standard model without "Power Pack." The Ideal Stencil Machine is the only stencil machine to offer automatic paper carriage. Sizes to fit every requirement. This Ideal stencil cutter has automatic gear driven carriage, safe visible cutting action, automatic word spacer, minimum margin grip that saves up to 20% in stencil board. Sizes: No. 1, 1" characters; No. 2, ⅝", No. 3, 7/16"; and Ideal "Quarter", ¼" characters.

IDEAL Stencil Machine "Power Pack" described above is also available as a separate unit for installation on standard model Ideal Stencil Machines now in operation.

Ideal CLIP-A-TAPE Automatic Gummed Tape Dispenser handles tapes from standard gummed Kraft to cloth. Heavy duty construction, foolproof operation. Ideal Handy Tape Dispenser has braking action for accuracy in cutting stringfilled reinforced hard-to-cut gummed tape . . . as standard equipment at no extra cost!

IDEAL "Handy Angle" Fountain Brush of light-weight aluminum fits hand comfortably, fills at top without mess or waste, has thumb control flow, allows you to see what you're marking while you're marking. Also Handy B Straight-Handle and Handy C Feather-Weight with "Jet Action" ink feed. Replacement tips screw in.

IDEAL Stencil and Marking Inks in black and variety of colors for porous and nonporous surfaces. Waterproof, weatherproof, quick-drying, indelible, free flowing. Will not smudge or smear. Gives more marks per gallon than so-called "bargain" stencil inks.

IDEAL Felt Tip Fountain Markers in both pocket and shipping room sizes, styled of aluminum and plated brass. Extra felt tips for all sizes in round or chisel shape. Pressure sensitive tip releases ink evenly on cartons, wood, stone, metal, paper, glass, all surfaces. Positive valve prevents leaking when not in use.

Get FREE literature

SEE THE YELLOW PAGES — FOR NAME OF NEAREST DEALER OR WRITE DIRECT TO FACTORY

IDEAL STENCIL MACHINE CO.

108 IOWA AVENUE, BELLEVILLE, ILL.

S

SCALES AUTOMATIC, COMPUTING

Borg-Erickson Corp.	Chicago, Ill.
Detecto Scales Inc.	Brooklyn 5, N.Y.
Exact Weight Scale Co.	Columbus, Ohio
Fairbanks, Morse & Co.	Chicago, Ill.
Howe Scale Co.	Rutland, Vt.
Toledo Scale Co.	Toledo, Ohio
Triner Scale Corp.	Chicago, Ill.

SCALES, CONVEYOR

Chatillon & Sons, John	New York City
Exact Weight Scale Co.	Columbus, Ohio
Fairbanks Morse & Co.	Chicago, Ill.
Hanson Scale Co.	Chicago, Ill.
Kron Co., The	Bridgeport, Conn.
Toledo Scale Co.	Toledo, Ohio

SCALES, MAIL AND PARCEL POST

Pitney-Bowes, Inc.	**Stamford, Conn.**
Rallston Scale Corp.	Columbus, Ohio
Toledo Scale Co.	Toledo, Ohio
Triner Scale Corp.	Chicago, Ill.

SCALES, PLATFORM AND HEAVY DUTY

Borg-Erickson Corp.	Chicago, Ill.
Chatillon & Sons, John	New York City
Columbia Scale Co.	Chicago 39, Ill.
Detecto Scales Inc.	Brooklyn 5, N.Y.
Fairbanks, Morse & Co.	Chicago, Ill.
Howe Scale Co.	Rutland, Vt.
Toledo Scale Co.	Toledo, Ohio

SEALING GLUES (See Glues)

SEALING MACHINES, ADHESIVES (Automatic)

Better Packages, Inc.	Shelton, Conn.
Consolidated Packaging Machinery Co.	Buffalo, N.Y.
Container Equipment Corp.	Newark, N.J.
Derby Sealers, Inc.	Derby, Conn.
Ferguson Co., J. L.	Joliet, Ill.
Ideal Stencil Machine Co.	**Belleville, Ill.**
Link & Co., L.	New York 13, N.Y.
Metal Specialties Manufacturing Co.	Melrose Park, Ill.
Paisley Products, Inc.	Chicago 16, Ill.
Nashua Inc.	Nashua, N.H.
Potdevin Machine Co.	**Teterboro, N.J.**
Seal-O-Matic Dispenser Corp.	Newark, N. J.
Stokes & Smith Co.	Philadelphia, Pa.

SEALING MACHINES, GUMMED TAPE, AUTOMATIC

Alexander Co., W. H.	N. Y. 13 and Phila. 6
Baray Products Co.	Detroit, Mich.
Better Packages, Inc.	Shelton, Conn.
Champion Gummed Products Co.	Chicago, Ill.
Derby Sealers, Inc.	Derby, Conn.
Diagraph-Bradley Industries, Inc.	Herrin, Ill.
Ever Ready Tape Corp.	Belleville, N.J.
Gummed Tape & Devices Co.	Brooklyn, N.Y.
Hanline, H. G., Co.	Philadelphia 6, Pa.
Hummel Co., A. C.	Cincinnati 13, Ohio
Ideal Stencil Machine Co.	**Belleville, Ill.**
King & Co., Charles E.	Chicago 22, Ill.
Link, L., & Co.	New York 13, N.Y.

Marsh Stencil Machine Co. **Belleville, Ill.**
Metal Specialties Mfg. Co. Melrose Park, Ill.
Nashua Co. Nashua, N.H.
Seal-O-Matic Dispenser Corp. Newark, N. J.

SEALING MACHINES, HEAT
Miller Wrapping & Sealing Machine Co.
Pack-Rite Machines Milwaukee, Wis.
Riley & Geehr, Inc. Chicago 14, Ill.

SEALING MACHINES, PRESSURE-SENSITIVE TAPE
Better Packages, Inc. Shelton, Conn.
Brainard Steel Co. Warren, Ohio
Derby Sealers, Inc. Derby, Conn.
Ideal Stencil Machine Co. **Belleville, Ill.**
Seal-O-Matic Dispenser Corp. Newark, N. J.

SEALING MACHINES, REINFORCED GUMMED TAPE (See also Sealing Machines, Gummed Tape. Adhesives, Pressure-Sensitized Tape)
Better Packages, Inc. Shelton, Conn.
Hummel Co., A. C. Cincinnati 13, Ohio
Ideal Stencil Machine Co. **Belleville, Ill.**
Seal-O-Matic Dispenser Corp. Newark, N. J.

SEALING SOLVENTS
Alexander & Co., W. H. N. Y. 13 and Phila. 6
Eastern Service & Supply Co. Somerville, Mass.
Kaywood Equipment Co. Indianapolis 6, Ind.
Seal, Inc. Shelton, Conn.
Tanglefoot Co., The Grand Rapids, Mich.
Tapefast Co. New York 18, N.Y.

SEALING TAPE (See Tape, Gummed, Cloth and Paper)

SEALING WAX
Riley & Geehr, Inc. Chicago 14, Ill.

SEALS, LEAD
Evans & Convery Philadelphia 6, Pa.
Meyer and Wenthe, Inc. Chicago, Ill.
Schwerdtle Stamp Co. Bridgeport, Conn.
Protecto-Seal Co. Orchard Park, N.Y.

SEPARATORS, SLOTTED
Fabricated Products Co. West Newton, Pa.

SHIPPING GUIDES (See Freight Rate Routing Guides, Parcel Post Guides).

SHIPPING DEPARTMENT INSTRUCTION
Shipping Management-National Hi-Way Shipper, Book Department **New York 16, N.Y.**

SHOOK NAILING MACHINES
Auto-Nailer Co. Atlanta 13, Ga.

SHREDDING MACHINES FOR PAPER OR BOX BOARD
Industrial Shredder & Cutter Co. Salem, Ohio
Mitts & Merrill Saginaw, Mich.
Shredmaster Corp. Brooklyn 5, N.Y.
Taylor-Stiles & Co. Riegelsville, N. J.

SILICA GEL
Cooper Co., D. C. Chicago 5, Ill.
Culligan Zeolite Co. Northbrook, Ill.
Davison Chemical Corp., The Baltimore 3, Md.
Eagle Chemical Co., Inc. Joliet, Ill.
Filtrol Corp. Los Angeles 17, Calif.
Hedden Packaging Co. Newark 7, N.J.
Riley & Geehr, Inc. Chicago 14, Ill.

SKID PLATFORMS (See Platforms, Skid)

SLUSHING OILS
Cooper Co., D. C. Chicago 5, Ill.
Dearborn Chemical Co. Chicago 4, Ill.
Houghton & Co., E. F. Philadelphia, Pa.
Nox-Rust Chemical Corp. Chicago 8, Ill.
Smith Oil and Refining Co. Chicago, Ill.
Texas Co., The New York City

SOLID FIBRE SHIPPING CONTAINERS (See Boxes, Solid Fibre)

STAMP PADS AND STAMPS
Algene Marking Equipment, Inc. New York 10, N.Y.
Consolidated Stamp Mfg. Co. New York City
Evans & Convery Philadelphia 6, Pa.
Force, Wm. A. & Co., Inc. **New York 13, N.Y.**
Multistamp Co. Norfolk, Va.
Print-O-Matic Co., Inc. Chicago 54, Ill.
Rivet-O Mfg. Co. Orange, Mass.
Superior Type Co. Chicago, Ill.
Weber Addressing Machine Co. **Mt. Prospect, Ill.**

STAMP PAD INKS (See Inks, Stamp Pad)

STAPLE REMOVERS
Arrow Fastener Co., Inc. Brooklyn 6, N.Y.
Fastener Corp. Chicago 14, Ill.
International Staple & Machine Co. Herrin, Ill.

STAPLES (See Tackers and Staplers)

STAPLING MACHINES (See also Fasteners and Stitchers; and Paper Fasteners)
Acme Staple Co. Camden, N.J.
Acme Steel Co. Chicago 8, Ill.
Arrow Fastener Co., Inc. Brooklyn 12, N.Y.
Bostitch, Inc. East Greenwich, R.I.
Burgess Co. Cleveland, Ohio
Container Stapling Corp. Herrin, Ill.
Dexter Folder Co. Chicago, Ill.
Duo-Fast Co. Chicago 18, Ill.
Evans & Convery Philadelphia 6, Pa.
Fastener Corp. Chicago 14, Ill.
General Staple Corp. New York 3, N.Y.
Hansen Mfg. Co., A. L. **Chicago 40, Ill.**
Heller Co., The Cleveland, Ohio
Hotchkiss Co., E.H. Norwalk, Conn.
Ideal Sticher & Mfg. Co. Racine, Wis.
Inland Wire Products Co. Chicago 9, Ill.
International Staple & Machine Co. Herrin, Ill.
Markwell Mfg. Co. New York, N.Y.
Mid-States Steel and Wire Co. Crawfordsville, Ind.
Neva Clog Products, Inc. Bridgeport, Conn.
Powers Wire Products Co. Los Angeles 32, Calif.
Precision Staple Corp. New York 3, N.Y.
Saranac Machine Co. Benton Harbor, Mich.
Seal-O-Matic Dispenser Corp. Newark, N. J.

STEEL STRAPPING (See Strapping, Steel)

STENCIL BRUSHES (See Brushes, Fountain, Marking and Stencil)

STENCIL CUTTING MACHINES
Alexander Co., W. H. N. Y. 13 and Phila. 6
Bradley Mfg. Co. A. J. L. I. City 1, N.Y.
Diagraph-Bradley Industries, Inc. Herrin, Ill.
Hanline Co., Inc., H. G. Philadelphia 6, Ill.
Ideal Stencil Machine Co. **Belleville, Ill.**
Marsh Stencil Machine Co. **Belleville, Ill.**
Multistamp Co., Inc. Norfolk, Va.

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STENCIL DIES (See Dies, Stencil)

STENCIL INK (See Inks, Marking and Stencil)

STENCIL SUPPLIES, ALL KINDS

Alexander Co., W. H. — N. Y. 13 and Phila. 6
Bradley Mfg. Co., A. J. — L. I. City 1, N.Y.
Brown Shippers Supply Co. — Philadelphia, Pa.
Diagraph-Bradley Industries, Inc. — Herrin, Ill.
Force & Co., Inc., Wm. A. — New York 13, N.Y.
Garvey Fountain Brush and Ink Co. — St. Louis, Mo.
Hanline, Frank & Sons — Philadelphia 33, Pa.
Ideal Stencil Machine Co. — Belleville, Ill.
Illinois Bronze Powder Co., Inc. — Chicago 16, Ill.
Marsh Stencil Machine Co. — Belleville, Ill.
Reynolds Industries — Cleveland, Ohio
Universal Fountain Brush Co. — St. Petersburg, Fla.
Weber Addressing Machine Co. — Mt. Prospect, Ill.

STENCILS, INTERCHANGEABLE

Diagraph-Bradley Industries, Inc. — Herrin, Ill.
Force, Wm. A. & Co., Inc. — New York 13, N.Y.
Ideal Stencil Machine Co. — Belleville, Ill.
Marsh Stencil Machine Co. — Belleville, Ill.

STITCHERS, WIRE

Acme Steel Co. — Chicago 8, Ill.
Bostitch, Inc. — East Greenwich, R.I.
Weber Addressing Machine Co. — Mt. Prospect, Ill.
Brainard Steel Co. — Warren, Ohio
Dexter Folder Co. — Boston, Mass.
Diagraph-Bradley Industries, Inc. — Herrin, Ill.
Gerrard Steel Strapping Divn, U. S. Steel — Chicago 32, Ill.
Ideal Stitcher & Mfg. Co. — Chicago, Ill.
Inland Wire Products Co. — Chicago 9, Ill.
Mid-States Steel and Wire Co. — Crawfordsville, Ind.
Riverside-Alloy Metal Div., H. K. Porter Co., Inc., — Holyoke, Mass.
Saranac Machine Co. — Benton Harbor, Mich.

STITCHING WIRE (See Wire Stapling, Stitching)

STORAGE

Jackson Warehouses — New Orleans, La.
Werner-Kennelly Co. — Chicago 14, Ill.

STRAPPING, ROUND STEEL

Gerrard Steel Strapping Divn., U. S. Steel — Chicago 32, Ill.
Inland Wire Products Co. — Chicago 9, Ill.

STRAPPING, STEEL & ACCESSORIES

Acme Steel Co. — Chicago 8, Ill.
Alexander & Co., W. H. — N. Y. 13 and Phila. 6
Brainard Steel Co. — Warren, Ohio
Clark Bros. — New York 18, N.Y.
Evans Products Co. — Plymouth, Mich.
Gerrard & Co., A. J. — Melrose Park, Ill.
Gerrard Steel Strapping Divn., U. S. Steel — Chicago 32, Ill.
Hanline, Frank & Sons — Philadelphia 33, Pa.
Independent Metal Strap Co. — Brooklyn 15, N.Y.
Inland Wire Products Co. — Chicago 9, Ill.
Signode Steel Strapping Co. — Chicago 47, Ill.

STRAPPING, TAPE (See Tape, Gummed, Reinforced & Tape, Pressure-Sensitive)

Brainard Steel Co. — Warren, Ohio
General Gummed Products Co. — Linden, N.J.
Mid-States Gummed Paper Co. — Chicago 8, Ill.

TACKERS AND STAPLERS (See also Fasteners)

Acme Staple Co. — Camden, N.J.
Arrow Fastener Co., Inc. — Brooklyn 12, N.Y.
Bates Manufacturing Co. — New York City
Bostitch, Inc. — East Greenwich, R.I.
Burgess Co. — Cleveland, Ohio
Container Stapling Corp. — Herrin, Ill.
Diagraph Bradley Industries, Inc. — Herrin, Ill.
Duo-Fast Co. — Chicago 18, Ill.
Fastener Corp. — Chicago 14, Ill.
Guthmann Co., Richard A. — Chicago, Ill.
Hansen Mfg. Co., A. L. — Chicago 40, Ill.
Heller Co., The — Cleveland, Ohio
International Staple & Machine Co. — Herrin, Ill.
Markwell Mfg. Co. — New York City 13
Paslode Co. — Chicago, Ill.
Precision Staple Corp. — New York 3
Powers Wire Products Co. — Los Angeles 32, Calif.
Riverside-Alloy Metal Div., H. K. Porter Co., Inc., — Holyoke, Mass.
Speed Products — L. I. City, N.Y.

TAG PRINTING

Ever Ready Label Corp. — Belleville, N.J.
Multistamp Co., Inc. — Norfolk, Va.
Weber Addressing Machine Co. — Mt. Prospect, Ill.

TAGS, BAG, SHIPPING

Dennison Mfg. Co. — Framingham, Mass.
International Tag Co. — Chicago, Ill.
Standard Tag Co. — New York City

TANKS, DIPPING, HEATING, RUSTPROOF, WAX

Aeroil Products Co., Inc. — So. Hackensack, N.J.

TAPE DISPENSERS (See Sealing Machines, Gummed Tape, Automatic, Reinforced)

TAPE, GUMMED, CLOTH, PAPER

Alexander & Co., W. H.	N. Y. 13 and Phila. 6
Atlantic Gummed Paper Corp.	Brooklyn 1, N.Y.
Brainard Steel Co.	Warren, Ohio
Brown-Bridge Mills, Inc.	**Troy, Ohio**
Central Paper Co.	Menasha, Wis.
Chicago Show Printing Co.	Chicago, Ill.
Crown Zellerbach Corp.	**San Francisco, Cal.**
East Coast Paper Products Corp.	Brooklyn 2, N.Y.
Ever Ready Label Corp.	Belleville, N.J.
Fierst Industrial Products	Chicago 16, Ill.
General Gummed Products Co.	Linden, N.J.
Gilman Paper Co.	New York 20, N.Y.
Glas-Kraft, Inc.	Lonsdale, R.I.
Gummed Industries Ass'n.	New York 36, N.Y.
Gummed Products Co.	Troy, Ohio
Hudson Pulp & Paper Corp.	New York 22, N.Y.
Industrial Tape Co.	Chicago, Ill.
King & Co., Charles E.	Chicago 22, Ill.
Ludlow Paper, Inc.	Needham Heights 94, Mass.
Mid-States Gummed Paper Co.	Chicago 8, Ill.
Nashua Gummed & Coated Paper Co.	Nashua, N.H.
Rexford Paper Co.	**Milwaukee, Wis.**
Tape, Inc.	Green Bay, Wis.

TAPE, GUMMED, REINFORCED, GLASS, SISAL

Allied Gummed Products Co.	Brooklyn 31, N.Y.
American Sisalkraft Corp.	Attleboro, Mass.
Atlantic Gummed Paper Corp.	Brooklyn 1, N.Y.
Brainard Steel Co.	Warren, Ohio
Brown-Bridge Mills, Inc.	**Troy, Ohio**
Central Paper Co.	Menasha, Wis.
Crown Zellerbach Corp.	**San Francisco, Cal.**
General Gummed Products, Inc.	Richmond Hills 18, L. I., N.Y.
Gilman Paper Co.	New York 20, N.Y.
Glas-Kraft, Inc.	Lonsdale, R.I.
Gummed Industries Ass'n.	New York 36, N.Y.
Gummed Products Co.	Troy, Ohio
Ludlow Papers, Inc.	Needham Heights 94, Mass.
Mid-States Gummed Paper Co.	Chicago 8, Ill.
Nashua Co.	Nashua, N.H.
Rexford Paper Co.	**Milwaukee, Wis.**
St. Regis Paper Co.	New York City

TAPE, KRAFT, COLORED

Atlantic Gummed Paper Corp.	Brooklyn, N.Y.
Ever Ready Label Corp.	Belleville, N.J.
General Gummed Products, Inc.	Linden, N.J.
Gilman Paper Co.	New York, N.Y.
Gummed Industries Ass'n.	New York 36, N.Y.
Hudson Pulp & Paper Corp.	New York 17, N.Y.
Ludlow Papers, Inc.	Needham Heights 94, Mass.
Mutual Gummed Tape Co.	Winston-Salem, N.C.

TAPE MOISTENING MACHINES (See Sealing Machines, Gummed Tape, Automatic)

TAPE, TRANSPARENT

Hampton Manufacturing Co.	New Rochelle, N.Y.
Industrial Tape Co.	New Brunswick, N.J.
Minnesota Mining & Mfg. Co.	St. Paul, Minn.

TAPE, PRESSURE-SENSITIVE

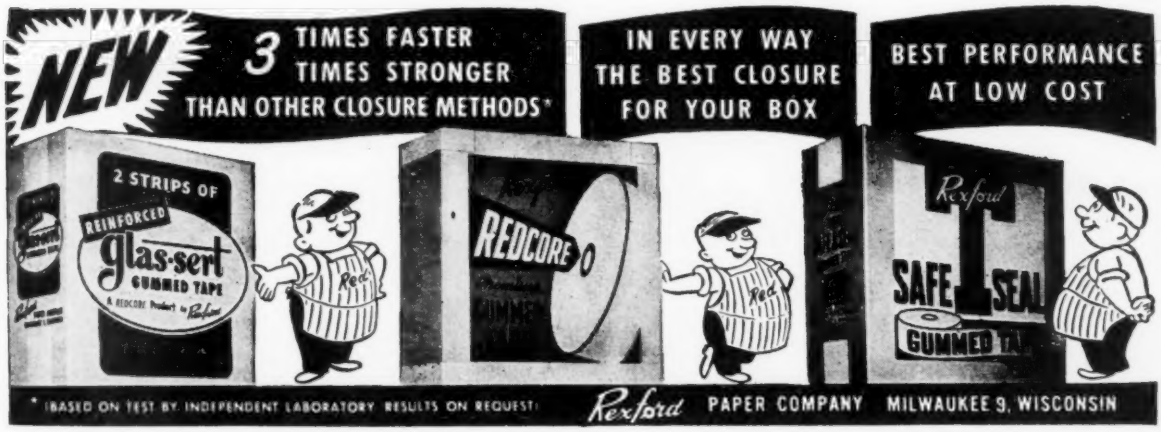
Avery Adhesive Corp.	Monrovia, Cal.
Bauer & Black	Chicago, Ill.
Behr-Manning Corp.	Troy, N.Y.
Dutch Brand Div., Johns-Manville	New York, N.Y.
Ever Ready Label Corp.	Belleville, N.J.
Hampton Manufacturing Co.	New Rochelle, N.Y.
Industrial Tape Co.	New Brunswick, N.J.
King & Co., Charles E.	Chicago 22, Ill.
Kleen-Stik Products	Chicago, Ill.
Minnesota Mining & Mfg. Co.	St. Paul, Minn.
Mystik Adhesive Products	Chicago 39, Ill.
Permacel Tape Corp.	New Brunswick, N.J.
Rexford Paper Co.	**Milwaukee, Wis.**
Seamless Rubber Co.	New Haven, Conn.
Technical Tape Corp.	New York, N.Y.
United States Rubber Company	New York 20, N.Y.

TESTING MACHINES

Amthor Laboratories, Inc.	Brooklyn, N.Y.
Central Scientific Co.	Chicago, Ill.
Holz, Herman A.	New York City
Gaynes Engineering Co.	Chicago 12, Ill.
Riehle Bros. Testing Machine Co.	Philadelphia, Pa.
Testing Machines, Inc.	New York City
Thwing Inst. Co.	Philadelphia, Pa.
Toledo Scale Co.	Toledo, Ohio

TIES, BAG

Acme Steel Co.	Chicago 8, Ill.
Bates Valve Bag Corp.	New York City
Inland Wire Products Co.	Chicago 9, Ill.



TIES, BALE

Acme Steel Co. ..... Chicago 8, Ill.
Inland Wire Products Co. ..... Chicago 9, Ill.
Stanley Works, The ..... New Britain, Conn.

TOOLS, BOX STRAPPING

Acme Staple Co. ..... Camden, N.J.
Acme Steel Co. ..... Chicago 8, Ill.
Brainard Steel Co. ..... Warren, Ohio
Gerrard & Co., A. J. ..... Melrose Park, Ill.
Hanline Co., Inc., H. G. ..... Philadelphia 6, Pa.
Inland Wire Products Co. ..... Chicago 9, Ill.
Signode Steel Strapping Co. ..... Chicago 47, Ill.
Stanley Works, The ..... New Britain, Conn.

TRACTORS, INDUSTRIAL

Automatic Transportation Co. ..... Chicago 20, Ill.
Baker-Raulang Co. ..... Cleveland, Ohio
Barrett-Cravens Co. ..... Chicago, Ill.
Clark Equipt. Co., Tructractor Div. ..... Battle Creek 65, Mich.
Colson Corp. ..... Elyria, Ohio
Elwell-Parker Electric Co., The ..... Cleveland, Ohio
Mercury Mfg. Co. ..... Chicago, Ill.
Yale & Towne Mfg. Co. ..... Philadelphia, Pa.

TRAFFIC MANAGEMENT AND TRAINING

La Salle Extension University ..... Chicago 5, Ill.
Shipping Management-National Hi-Way Shipper Book Department ..... New York 16, N.Y.
Traffic Managers' Institute ..... New York, N.Y.

TRAYS, STARCH

Rathborne, Haire & Ridgway Box Co. Chicago 8, Ill.

TRUCK, BASKET

Fairbanks Co., The ..... New York 3, N.Y.
Barrett-Cravens Co. ..... Chicago, Ill.
Hanline Co., Inc., H. G. ..... Philadelphia 6, Pa.
Hanline, H. G., Co., Inc. ..... Philadelphia 6, Pa.
Lewis-Shepard Prods, Inc. ..... Watertown 72, Mass.
McKinney Mfg. Co. ..... Pittsburgh, Pa.

TRUCK, HAND, TWO WHEEL

Acro Tool & Die Works ..... Chicago, Ill.
Colson Corp. ..... Elyria ,Ohio
Fairbanks Co., The ..... New York 3, N.Y.
Hanline, Frank & Sons ..... Philadelphia 33, Pa.
Service Caster & Truck Co. ..... Albion, Mich.
Lewis-Shepard Prods., Inc. ..... Watertown 72, Mass.
Twin-Tilt Truck Co. ..... Cincinnati, Ohio

TRUCK, INDUSTRIAL POWER (Gas and Electric and Storage Batteries)

Automatic Transportation Co. ..... Chicago 20, Ill.
Baker-Raulang Co. ..... Cleveland, Ohio
Barrett-Cravens Co. ..... Chicago, Ill.
Clark-Equipt. Co., Ttructractor Div. ..... Battle Creek 65, Mich.
Elwell-Parker Electric Co. ..... Cleveland, Ohio
Hanline, Frank & Sons ..... Philadelphia 33, Pa.
Lewis-Shepard Prods., Inc. ..... Watertown 72, Mass.
Link-Belt Co. ..... Chicago, Ill.
Mercury Mfg. Co. ..... Chicago, Ill.
Revolvator Co. ..... North Bergen, N.J.
Towmotor Co. ..... Cleveland, Ohio
Anthony & Co. ..... Streator, Ill.
Automatic Transportation Co. ..... Chicago 20, Ill.
Baker-Raulang Co. ..... Cleveland, Ohio
Clark Equipt. Co., Tructractor Div. ..... Battle Creek 65, Mich.
Colson Corp. ..... Elyria, Ohio
Elwell-Parker Electric Co., The ..... Cleveland, Ohio
Fairbanks Co., The ..... New York 3, N.Y.
Hanline, Frank & Sons ..... Philadelphia 33, Pa.
Lewis-Shepard Prods. Inc. ..... Watertown 72, Mass.
Market Forge Co. ..... Everett, Mass.
Mercury Mfg. Co. ..... Chicago, Ill.
Rapids-Standard Co. ..... Grand Rapids 2, Mich.
Wright-Hibbard Indus. El. Tk. Co., Inc. ..... Phelps, N.Y.

TRUCK, POWER, INDUSTRIAL (Platform Type)

All Steel Welded Truck Corp. ..... Rockford, Ill.
Automatic Transportation Co. ..... Chicago 20, Ill.
Barrett-Cravens Co. ..... Chicago, Ill.
Clark Equipt. Co., Tructractor Div. ..... Battle Creek 65, Mich.
Colson Corp. ..... Elyria, Ohio
Fairbanks Co., The ..... New York 3, N.Y.
Hamilton Caster & Mfg. Co. ..... Hamilton, Ohio
Hanline Co., Inc., H. G. ..... Philadelphia 6, Pa.
Jakes Foundry, Inc. ..... Nashville 9, Tenn.
Lewis-Shepard Prods, Inc. ..... Watertown 72, Mass.
Rapids-Standard Co. ..... Grand Rapids 72, Mich.
Revolvator Co. ..... North Bergen, N.J.

TRUCK ROUTING GUIDE (See Freight Rate Routing Guide)

TRUCKERS (See Motor Freight Carriers)

TRUCK TRAILER MANUFACTURERS

Bartlett Trailer Corp. ..... Chicago 8, Ill.
Brown Trailers Div., Clark Equipment Co. ..... Elgin, Ill.
Fruehauf Trailer Co. ..... Detroit 32, Mich.
International Harvester Co. ..... Chicago, Ill.
Mack Trucks, Inc. ..... Plainfield, N.J.
Trailmobile, Inc. ..... Cincinnati 9, Ohio
White Motor Co. ..... Cleveland 1, Ohio

TRUCK REFRIGERATION MANUFACTURERS

Thermo-King Corp. ..... Minneapolis 3, Minn.

TRUCK WHEEL BLOCKS

Calumet Steel Castings Corp. ..... Hammond, Ind.

TUBES, MAILING (See Mailing Tubes)

V

VAPOR PHASE INHIBITING (VPI) PAPERS (See also Wrap, Vapor Barrier)

Cromwell Paper Co. ..... Chicago 32, Ill.
Fierst Industrial Products ..... Chicago 16, Ill.
King & Co., Charles E. ..... Chicago 22, Ill.
Ludlow Papers, Inc. ..... Needham Heights 94, Mass.
Marvellum Co. ..... Holyoke, Mass.
Nox-Rust Chemical Corp. ..... Chicago 8, Ill.
Nylco Products, Inc. ..... Clinton, Mass.
Orchard Paper Co. ..... St. Louis 15, Mo.
Thilmany Pulp & Paper Co. ..... Kaukauna, Wisc.
Vanant Products, Inc. ..... Milwaukee 2, Wisc.

WADDING

Burhart Mfg. Co., F.	St. Louis 7, Mo.
Cooper Co., D. C.	Chicago 5, Ill.
Fibleco Illinois Corp.	Chicago 6, Ill.
Jiffy Manufacturing Co.	Hillside, N. J.
Kimberly-Clark Corp.	Chicago, Ill.
Queen City Tultatex Corp.	Burlington, Vt.
Stearns & Foster Co. Lockland.	Cincinnati 15, Ohio
Union Wadding Co.	Pawtucket, R.I.
Vanant Products, Inc.	Milwaukee 2, Wisc.
Wood Conversion Co.	St. Paul 1, Minn.

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Jackson Warehouses	**New Orleans, La.**
Werner-Kennelly Co.	Chicago 14, Ill.

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Barber Steamship Lines	New York 4, N. Y.
Central Gulf Steamship	**New York 6, N. Y.**
Cunard Line	New York 5, N. Y.
Farrell Lines	New York 4, N. Y.
French Line	New York 4, N. Y.
Furness Line	New York 4, N. Y.
Grace Line	New York 5, N. Y.
Isbrandtsen Company	New York 4, N. Y.
Luckenbach Steamship Company	New York 5, N. Y.
Lykes Lines	New York 4, N. Y.
Maersk Line	New York 4, N. Y.
Matson Lines	New York 20, N. Y.
Moore-McCormick	New York 4, N. Y.
Norwegian-American Line	New York 4, N. Y.
States Line	San Francisco, Cal.
Swedish American Line	New York 20, N. Y.
Torm Lines	New York 4, N. Y.
United States Lines	New York 4, N. Y.

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Brown-Bridge Mills, Inc., The	21
Central Gulf Steamship Corp.	61
Container Transport International Inc.	26
Crown Zellerbach	2nd Cover
Denver-Chicago Trucking Co.	Back Cover
Flash Manufacturing Co.	36
Force & Co., Inc., Wm. A.	44
Glue-Fast Equipment Co., Inc.	49
Gordons Transports, Inc.	25
Hansen Mfg. Co., A. L.	58
Ideal Stencil Machine Co.	56
Jackson Warehouses, Inc.	61
Johnson Motor Lines, Inc.	30
Knaus Truck Lines, Inc.	40
Lifschultz Fast Freight	48
Lufthansa German Air Lines	34
Marsh Stencil Machine Co.	40
Mid-States Steel & Wire Co.	19
Northern Metal Products Co.	41
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Pilot Freight Carriers, Inc.	31
Pitney-Bowes, Inc.	39
Porter Co., Inc., H. K.	23
Potdevin Machine Co.	49
Rathborne, Hair & Ridgway Box Co.	29
Rexford Paper Co.	59
Sten-C-Labl, Inc.	32
Super Service Motor Freight Co.	3rd Cover
Texas-Arizona Motor Freight, Inc.	33
T.I.M.E., Inc.	37
Thilmany Pulp & Paper Co.	27
Universal Fountain Brush Co.	36
Weber Marking Systems, Inc.	35

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WIRE, BOX OR BALE STRAPPING

Acme Staple Co. — Camden, N.J.
Acme Steel Co. — Chicago 8, Ill.
American Steel & Wire Co. — Chicago, Ill.
Brainard Steel Co. — Warren, Ohio
General Strapping Corp. — New York 17, N.Y.
Gerrard Steel Strapping Divn., U. S. Steel — Chicago 32, Ill.
Independent Metal Strap Co. — Brooklyn 15, N.Y.
Inland Wire Products Co. — Chicago 9, Ill.
Mid-States Steel & Wire Co. — Crawfordsville, Ind.
Riverside Alloy Metal Div., H. K. Porter Co., Inc., — Holyoke, Mass.

WIRE CUTTERS

Riverside—Alloy Metal Div., H. K. Porter, Co., Inc. — Holyoke, Mass.

WIRE STITCHERS (See Stichers, Wire)

WIRE, STAPLING, STITCHING

Acme Steel Products Div., Acme Steel Co. — Chicago, Ill.
Bostitch, Inc. — East Greenwich, R.I.
Diagraph-Bradley Industries, Inc. — Herrin, Ill.
General Staple Corp. — New York 3, N.Y.
Gerrard Steel Strapping Co. — Chicago, Ill.
Gerrard Steel Strapping Divn., U. S. Steel — Chicago 32, Ill.
Hanline, Frank & Sons — Philadelphia 33, Pa.
Independent Metal Strap Co. — Brooklyn 15, N.Y.
Inland Wire Products Co. — Chicago 9, Ill.
Mid-States Steel & Wire Co. — Crawfordsville, Ind.

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Independent Metal Strap Co. — Brooklyn 32, N.Y.
Inland Wire Products Co. — Chicago 9, Ill.
Mid-States Steel & Wire Co. — Crawfordsville, Ind.

WOODEN BOXES (See Boxes, Wood)

WRAP, VAPOR BARRIER (See also Paper, Greaseproof; Paper, Waterproof; and Vapor Phase Inhibiting Paper)

American Sisalkraft Corp. — Attleboro, Mass
Atlas Pkge. and Cont. Corp.—Div. of Protective Coatings Corp. — Clifton, N.J.
Central Paper Co. — Menasha, Wis.
Cromwell Paper Co. — Chicago 32, Ill.
Dearborn Chemical Co. — Chicago 5, Ill.
Feaver Paper Co., John H. — Bala-Cynwyd, Penna.
Gilman Paper Co. — New York, N.Y.
Hollingshead Corp. — Camden, N.J.
Houghton & Co., E. F. — Philadelphia 33, Pa.
Ludlow Papers, Inc. — Needham Heights 94, Mass.
Marvellum Co. — Holyoke, Mass.
Mid-States Gummed Paper Co. — Chicago 8, Ill.
Nox-Rust Chemical Corp. — Chicago 8, Ill.
Nylco Products, Inc. — Clinton, Mass.
Orchard Paper Co. — St. Louis, Mo.
Protective Coatings, Inc. (Cocoon) — Tampa 6, Fla.
Rexford Paper Co. — Milwaukee, Wisc.
Sherman Paper Products Corp. — Newton Upper Falls, Mass.
Thilmany Pulp & Paper Co. — Kaukauna, Wisc.
Vanant Products, Inc. — Milwaukee 2, Wisc.

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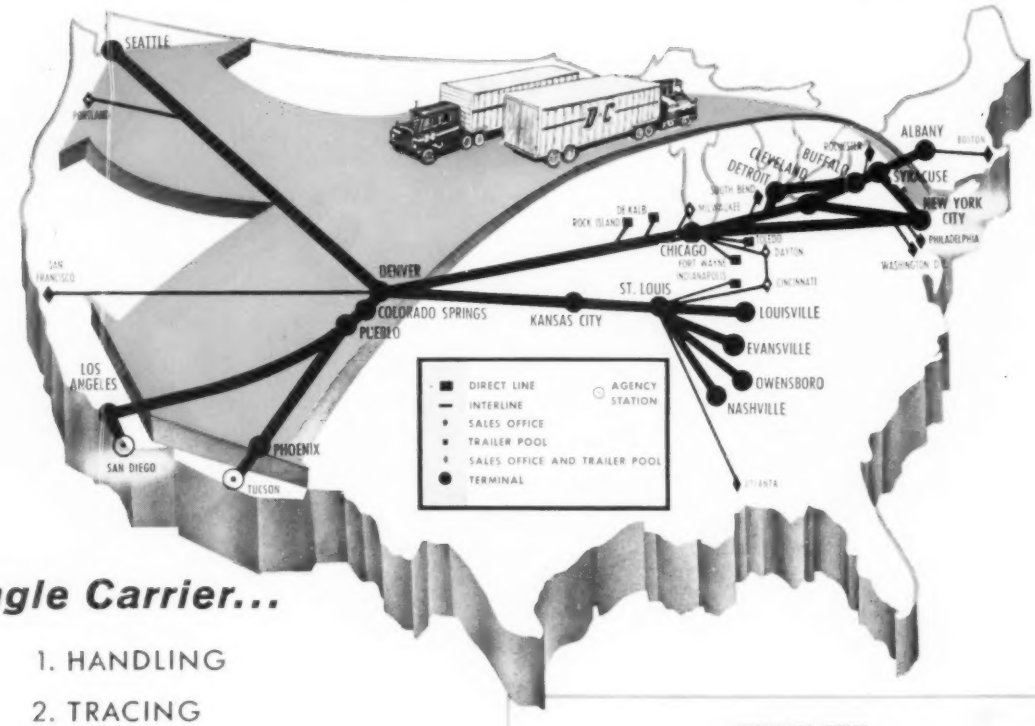

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1. HANDLING
2. TRACING
3. INSURANCE
4. SAFETY
5. DELIVERY INFORMATION

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Chicago, Illinois.....LA. 3-7440	New York, New York.LO. 4-3320
Cleveland, Ohio.....SH. 9-1666	(N. Bergen, N. J.)..UN. 3-0900
Colo. Springs, Colo...ME. 2-1486	Owensboro, Kentucky MU. 3-5363
Denver, Colorado....DU. 8-4567	Phoenix, Arizona.....AL. 8-5321
Detroit, Michigan.....VI. 3-9505	Pueblo, Colorado.....LI. 3-4425
Evansville, Indiana....HA. 3-6487	St. Louis, Missouri....CH. 1-7830
Kansas City, Mo.....HU. 3-9343	Seattle, Washington..MA. 4-3850
Los Angeles, Cal.....AN. 1-0241	Syracuse, New York..GR. 1-4103

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